

# CPX 200 Ecosystem

## Ordering Information



# Overview Package Options

|                                                                                                                                                   | Power Transformer                                                                                                                | Instrument Transformer                                                                                                                                        | Switchgear                                                                                              | Multifunctional                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                |                                                                                                                                                                                            |                                                                                                                                                                                                                        |
| <b>Essential</b><br><br><b>Package Savings</b><br>> ~10 % (Multifunctional)<br>> ~5 % (Application)                                               | <b>Hardware</b><br>> CPX 200<br><br><b>User Interface</b><br>> CPX 200 TouchControl<br>> CPXpert PC suite<br><br><b>Test licenses</b><br>> TR Ratio<br>> TR Winding Resistance<br>> TR Demagnetization<br>> Quick | <b>Hardware</b><br>> CPX 200<br><br><b>User Interface</b><br>> CPX 200 TouchControl<br>> CPXpert PC suite<br><br><b>Test licenses</b><br>> CT Ratio<br>> CT Winding Resistance<br>> CT Burden<br>> Quick                                       | <b>Hardware</b><br>> CPX 200<br><br><b>User Interface</b><br>> CPX 200 TouchControl<br>> CPXpert PC suite<br><br><b>Test licenses</b><br>> SG Timing<br>> SG Contact Resistance<br>> Quick | <b>Hardware</b><br>> CPX 200<br><br><b>User Interface</b><br>> CPX 200 TouchControl<br>> CPXpert PC suite<br><br><b>Essential test licenses for</b><br>> Power Transformer<br>> Instrument Transformer<br>> Switchgear |
| <b>Standard</b><br><br><b>Package Savings:</b><br>> ~15 % (Multifunctional)<br>> ~10 % (Application)                                              | <b>Hardware</b><br>+ High Current Module<br><br><b>User Interface</b><br>+ CPXpert Advanced<br><br><b>Test licenses</b><br>+ TR Short-circuit Impedance <sup>1</sup>                                              | <b>Hardware</b><br>+ High Current Module<br>+ CPOL3<br><br><b>User Interface</b><br>+ CPXpert Advanced<br><br><b>Test licenses</b><br>+ CT Excitation<br>+ CT Ratio V<br>+ CT Ratio Low Power<br>+ VT Ratio<br>+ VT Burden<br>+ Polarity Check | <b>Hardware</b><br>+ High Current Module<br><br><b>User Interface</b><br>+ CPXpert Advanced<br><br><b>Test licenses</b><br>+ SG Coil Current<br>+ SG Motor Current                         | <b>Hardware</b><br>+ High Current Module<br>+ CPOL3<br><br><b>User Interface</b><br>+ CPXpert Advanced<br><br><b>Standard test licenses for</b><br>> Power Transformer<br>> Instrument Transformer<br>> Switchgear     |
| <b>Enhanced</b><br><br><b>Package Savings:</b><br>> ~20 % (Multifunctional)<br>> ~15 % (Application)                                              | <b>Hardware</b><br>+ HVX10<br><br><b>Test licenses</b><br>+ C & DF/PF Overall <sup>1</sup><br>+ C & DF/PF C1 <sup>1</sup><br>+ C & DF/PF C2 <sup>1</sup><br>+ C & DF/PF Universal<br>+ Insulation Resistance      | <b>Hardware</b><br>+ HVX10<br><br><b>Test licenses</b><br>+ C & DF/PF Universal<br>+ Insulation Resistance                                                                                                                                     | <b>Hardware</b><br>+ HVX10<br><br><b>Test licenses</b><br>+ C & DF/PF Universal<br>+ Insulation Resistance                                                                                 | <b>Hardware</b><br>+ HVX10<br><br><b>Enhanced test licenses for</b><br>> Power Transformer<br>> Instrument Transformer<br>> Switchgear                                                                                 |
| <b>Complete</b> <br><br><b>Savings:</b><br>~50 % in first year | not available                                                                                                                                                                                                     | not available                                                                                                                                                                                                                                  | not available                                                                                                                                                                              | <b>User Interface<sup>2</sup></b><br>+ CORTEX Grid Standard<br><br><b>Annual Digital license<sup>3</sup></b><br>+ All test licenses on subscription basis.<br>+ Future CPX 200 licenses are included (once available)  |

<sup>1</sup> CPXpert exclusive test

<sup>2</sup> The sale of Multifunctional Complete packages requires a CORTEX Grid contract, which is either already active or included with the first purchase.

<sup>3</sup> The Annual Digital License for CPX 200 is an additional subscription-based license and is added per Multifunctional complete package.

# Package options

## OMICRON designed

|                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Item no.                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPX 200 Multifunctional Essential | The Essential package is perfect for those starting out. This tier includes the CPX 200 (without the high-current module) and offers the most essential tests per application, ensuring that the fundamental tools are included.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | P0011551                                                                                                                                                                                                                                                                                                                               |
| CPX 200 Multifunctional Standard  | The Standard package offers a comprehensive testing solution with a deeper diagnostic focus. This tier includes the most prominent tests per application, a CPX 200 integrated high-current module, and performing tests with CPXpert.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | P0011552                                                                                                                                                                                                                                                                                                                               |
| CPX 200 Multifunctional Enhanced  | The Enhanced package provides the full spectrum of available CPX 200 testing capabilities. This tier includes everything in the Standard package, plus the HVX10 with dissipation-/power factor & capacitance and insulation resistance testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | P0011553                                                                                                                                                                                                                                                                                                                               |
| CPX 200 Multifunctional Complete  | <p>CPX 200 Multifunctional Complete package includes the</p> <ul style="list-style-type: none"> <li>&gt; CPX 200 Multifunctional Enhanced hardware components</li> <li>Digital License as a subscription               <ul style="list-style-type: none"> <li>→ CORTEX Grid for unlimited users </li> <li>→ Annual Digital license for CPX 200</li> </ul> </li> </ul> <p>The software components, including the Digital license and CORTEX Grid, are available through a subscription. This subscription ensures continuous access to the full suite of software features, including future updates to the CPX 200 software and cloud services. Testers benefit from ongoing access to the latest tools and licenses as part of the subscription.</p> | P0012118                                                                                                                                                                                                                                                                                                                               |
| CPX 200 Application Specific      | For applications such as power and instrument transformers, as well as switchgear, specific packages are available for Essential, Standard, and Enhanced tiers. These packages may be considered individually or combined to be tailored to your specific needs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Link</a> <br><a href="#">Link</a> <br><a href="#">Link</a>  |

## Tailored Packages

|                                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                    | Item no. |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CPX 200 Basic Package  | The Tailored to Your Needs configuration allows for full customization of the CPX 200. Starting with the CPX 200 Basic package, you can optionally integrate a high-current module and choose cable lengths in either short or long forms. Additionally, software licenses can be selected individually or in package groups to complement the defined hardware. Choose your CPX 200 according to your needs and requirements. | P0011479 |

# Benefits of the Multifunctional packages

Unlock the full potential of substation commissioning with **CPX 200 Multifunctional** packages.

Tailored for engineers and testers, this solution offers comprehensive hardware and software testing capabilities, ensuring the CPX 200 performs at its best for you.

## One solution for multiple applications

- > Guided setup and wiring with intuitive connections, such as color-coded cables
- > Intuitive and easy time-optimized testing workflows
- > Software designed with multi-asset testing in mind
- > Seamless data integration from CPX 200 TouchControl to CPXpert and CORTEX Grid



## Integrated safe testing

- > The most compact and lightweight multifunctional testing solution for substation assets, all in a single transport case
- > Compliant with EN 50191 operational testing workflows
- > Plug-and-play solution compatible with safety equipment like the OSA1
- > Guided signal indicator lights for each input and output, simplifying wiring
- > Audible hazard signals



## Application-focused solution

- > One-button standard reporting
- > Tailored testing workflows that cover both standard and diagnostic test requirements
- > Comprehensive asset nameplate coverage.
- > Automatic and manual result assessment tailored to applicable standards or specific needs
- > CPXpert includes built-in data quality checks to ensure all asset definitions are accurate and valid, saving you time and preventing costly errors



# Multifunctional packages

|                                                                                                                                                                                     | Item no. | Description                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CPX 200 Multifunctional Essential</b><br>                                                       | P0011551 | <b>Hardware</b><br>1×CPX 200<br><br><b>Software package</b><br>1×Multifunctional Essential<br><br><b>Cables and accessories</b><br>2×Interlock key<br>1×CPX 200 display cover<br>1×Transport case for CPX 200 & HVX10<br>1×Carry bag for multi asset cables<br>2×Multi-asset cable (4 pole, 15 m (50 ft), 2.5mm <sup>2</sup> including 1 × carry bag)<br>1×Essential accessories for CPX 200 ⓘ<br>10 m (33 ft) cable configuration |
| <b>CPX 200 Multifunctional Standard</b><br>+ includes CPX 200 Multifunctional Essential plus:<br> | P0011552 | <b>Hardware</b><br>1×High Current Module integrated in CPX 200 ⓘ<br>1×CPOL3 including case and accessories<br><br><b>Software package</b><br>1×Multifunctional Standard<br><br><b>Cables and accessories</b><br>1×Essential accessories for High Current Module ⓘ<br>9 m (30 ft) cable configuration<br>1×Carry bag for high current module cables<br>1×AC / DC current clamp E25 with integrated zero adjustment                  |
| <b>CPX 200 Multifunctional Enhanced</b><br>+ includes CPX 200 Multifunctional Standard plus:<br> | P0011553 | <b>Hardware</b><br>1×HVX10 ⓘ<br><br><b>Software package</b><br>1×Multifunctional Enhanced Cables and accessories<br>1×Essential accessories for HVX10 ⓘ                                                                                                                                                                                                                                                                            |

## Transportation

- > P0011075 - Two-Case Upgrade Option for CPX 200 and HVX10  
 This upgrade option includes a transport case for the CPX 200 and HVX10, along with foam inlays for single device transportation of CPX 200 and HVX10.

# Benefits of the CPX 200 Multifunctional Complete package

The **CPX 200 Multifunctional Complete** package provides the **full capabilities of hardware and software for multifunctional testing of the CPX 200**. It combines this power with **CORTEX Grid, a cloud-based solution** designed specifically for engineers, providing the right **workflows to handle commissioning projects** including **one-click reports with data analytics tools, customizable to your preferences and templates**.

## Digital Benefits

- > A secure, centralized space for your company's testing data, enabling collaboration, advanced analysis and customized reporting.
- > Always have access to the latest information on tests executed on an Asset
- > Microsoft Azure hosting tailored to your preferred server location
- > OMICRON applies the Secure Software Development Life Cycle (SSDLC) process. This ensures that our products are built with security in mind right from the beginning.

For more information see:

[www.omicronenergy.com/en/support/product-security](http://www.omicronenergy.com/en/support/product-security)

## OMICRON Continuity interfaces

OMICRON Continuity is a channel connecting the PC Testing Software to the common database hosted in CORTEX Grid. This connection allows for the exchange of information such as nameplates from the CORTEX Grid database to the exact field in the PC Testing software reducing the time required to enter nameplate information for testing

Enter the nameplate information once, integrate it for testing infinitely  
Continuity is integrated in:

- > CPXpert

## Savings

- > Fully equipped CPX 200 with High Current Module and HVX10
- > The Annual Digital license for CPX 200 and CORTEX Grid enhance investment planning and ensure full functionality at all times.
- > Benefit from continuous software improvements and new features included in future updates.

## Tester Benefits

- > Organizing current and future projects in a database that understands the testing domain
- > Enhanced reporting: Unified and customizable asset reporting, generating a single report from multiple assets, tested across various software and devices.
- > In-depth comparison: Comparing measurement results efficiently with other measurement data within the CORTEX Grid database
- > Integrated backup: CORTEX Grid manages the history of testing information including versioning of asset nameplate information over time



# CPX 200 Multifunctional Complete

## CORTEX Grid Standard contract

- > 1×CORTEX Grid\*
  - ⚙ Configuration options for Microsoft Azure options
  - > 20 GB (P0012232)
  - > 50 GB (P0012233)
  - > 100 GB (P0012234)

## Digital License for CPX 200 contract (P0012356)

- > 1×Digital license for CPX 200\* including:
  - Universal**
    - > CPXpert Advanced
    - > Dissipation/Power Factor & Capacitance
    - > Insulation Resistance
    - > Quick

### Power transformer

- > TR Ratio
- > TR Winding Resistance
- > TR Demagnetization
- > TR Short-circuit Impedance

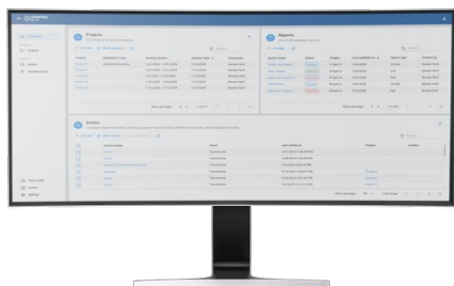
### Instrument transformer

- > CT Ratio
- > CT Winding Resistance & Demagnetization
- > CT Burden
- > CT Excitation
- > CT Ratio Low-Power
- > CT Ratio V
- > VT Ratio
- > VT Burden
- > Polarity Check

### Switchgear

- > SG Timing
- > SG Static Contact Resistance
- > SG Coil Current
- > SG Motor Current

- ✓ Future CPX 200 licenses will be included with the CPX 200 Digital License, once available



## Hardware (P0012118)

### 1×CPX 200

- > 2×Interlock key
- > 1×CPX 200 display cover
- > 1×Transport case for CPX 200 & HVX10
- > 1×Essential accessories for CPX 200  
10 m (33 ft) cable configuration ⓘ
- > 2×Multi-asset cable  
(4 pole, 15 m (50 ft), 2.5 mm² including 1 × carry bag)
- > 1×AC / DC current clamp E25 with integrated zero adjustment

### 1 × High Current Module integrated in CPX 200

- > 1×Essential accessories for High Current Module  
9 m (30 ft) cable configuration ⓘ
- > 1×Carry bag for high current module cables

### 1×HVX10

### 1×CPOL3 including case and accessories



\* The CORTEX Grid and Annual Digital license for CPX 200 remain valid until the subscription is cancelled.

# Tailored to your needs configuration

## 1.) Choose your CPX 200 Basic Package configuration

| Device configuration                                                                                                             | Package name                                                                                                                                                          |                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPX 200 with integrated High Current Module<br> | <b>Package configuration 1</b> - P0011479:1-1-0<br>> 6 m (20 ft) essential accessories for CPX 200<br>> 9 m (30 ft) essential accessories for HCM<br>> Quick license  | <b>Package configuration 2</b> - P0011479:1-2-0<br>> 6 m (20 ft) essential accessories for CPX 200<br>> 9 m (30 ft) essential accessories for HCM<br>> Quick license  |
|                                                                                                                                  | <b>Package configuration 3</b> - P0011479:2-1-0<br>> 10 m (33 ft) essential accessories for CPX 200<br>> 6 m (20 ft) essential accessories for HCM<br>> Quick license | <b>Package configuration 4</b> - P0011479:2-2-0<br>> 10 m (33 ft) essential accessories for CPX 200<br>> 9 m (30 ft) essential accessories for HCM<br>> Quick license |
| CPX 200 without High Current Module<br>        | <b>Package configuration 5</b> - P0011479:1-0-0<br>> 6 m (20 ft) essential accessories for CPX 200<br>> Quick license                                                 | <b>Package configuration 6</b> - P0011479:2-0-0<br>> 10 m (33 ft) essential accessories for CPX 200<br>> Quick license                                                |

| Variant   | Configuration details                                     | Products configuration                                                               |
|-----------|-----------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1 - x - x | 6 m (20 ft) essential accessories for CPX 200             |  |
| 2 - x - x | 10 m (33 ft) essential accessories for CPX 200            |                                                                                      |
| x - 1 - x | 6 m (20 ft) essential accessories for High Current Module |  |
| x - 2 - x | 9 m (30 ft) essential accessories for High Current Module |                                                                                      |

# Tailored to your needs configuration

## 2.) Choose your CPX 200 companion devices

|                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>HVX10 upgrade option<br/>P0011550</p>                                                                                                                                                                                                                                                                                                                                                 | <p>CPOL3<br/>P0009398</p>                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                         |                                                                                                                                                   |
| <p>The HVX10 is the high-voltage system component for the CPX 200. It enables dissipation/power factor and capacitance measurements, as well as insulation resistance measurements, extending the voltage ratio measurement on voltage transformers up to 10 kV. The HVX10 upgrade option includes a dedicated CPX/HVX10 transport case and all essential accessories for the HVX10.</p> | <p>CPOL3 is a portable, handheld device designed to identify the wiring and polarity of instrument transformers. It provides high sensitivity and accuracy and includes an oscilloscope mode for a graphical waveform display.</p> |

## 3.) Choose your CPX 200 software configuration

Tailor the CPX 200 Basic Package to your specific testing requirements by adding relevant software packages or licenses.

- > See [Software packages & licenses for CPX 200](#)

## 4.) Optionally add further accessories

For specialized testing purposes, additional OMICRON accessories can be utilized together with the CPX 200 and HVX10.

- > See [Accessories for CPX 200](#)
- > See [Accessories for HVX10](#)

# Power Transformer packages

|                                                                                                                                                                                         | Item no. | Description                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>CPX 200 Power Transformer Essential</b><br>                                                         | P0011557 | <b>Hardware</b><br>1 × CPX 200<br><br><b>Software licenses</b><br>1 × TR Ratio<br>1 × TR Winding Resistance<br>1 × TR Demagnetization<br>1 × Quick<br><br><b>Cables and accessories</b><br>2 × Interlock key<br>1 × CPX 200 display cover<br>1 × Transport case for CPX 200 & HVX10<br>1 × Carry bag for multi asset cable<br>1 × Essential accessories for CPX 200 ⓘ<br>10 m (33 ft) cable configuration |
| <b>CPX 200 Power Transformer Standard</b><br>+ includes CPX 200 Power Transformer Essential plus:<br> | P0011558 | <b>Hardware</b><br>1 × High Current Module integrated in CPX 200 ⓘ<br><br><b>Software licenses</b><br>1 × CPXpert Advanced<br>1 × TR Short-circuit Impedance<br><br><b>Cables and accessories</b><br>1 × Essential accessories for High Current Module ⓘ<br>9 m (30 ft) cable configuration<br>2 × Multi-asset cable<br>(4 pole, 15 m (50 ft), 2.5 mm <sup>2</sup> including 1 × carry bag)               |
| <b>CPX 200 Power Transformer Enhanced</b><br>+ includes CPX 200 Power Transformer Standard plus:<br> | P0011559 | <b>Hardware</b><br>1 × HVX10 ⓘ<br><br><b>Software licenses</b><br>1 × Dissipation-/Power Factor & Capacitance<br>1 × Insulation Resistance<br><br><b>Cables and accessories</b><br>1 × Essential accessories for HVX10 ⓘ                                                                                                                                                                                  |

## Transportation

- > P0011075 - Two-Case Upgrade Option for CPX 200 and HVX10  
 This upgrade option includes a transport case for the CPX 200 and HVX10, along with foam inlays for single device transportation of the CPX 200 and HVX10.

# Instrument Transformer packages

|                                                                                                                                                                                                       | Item no. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>CPX 200 Instrument Transformer Essential</b><br><br>                                                              | P0011554 | <b>Hardware</b><br>1×CPX 200<br><br><b>Software licenses</b><br>1×CT Ratio<br>1×CT Winding Resistance with Demagnetization<br>1×CT Burden<br>1×Quick<br><br><b>Cables and accessories</b><br>2×Interlock key<br>1×CPX 200 display cover<br>1×Transport case for CPX 200 & HVX10<br>1×Essential accessories for CPX 200 ⓘ<br>10 m (33 ft) cable configuration                                                                                                             |
| <b>CPX 200 Instrument Transformer Standard</b><br>+ includes CPX 200 Instrument Transformer Essential plus:<br><br> | P0011555 | <b>Hardware</b><br>1×High Current Module integrated in CPX 200 ⓘ<br>1×CPOL3 including case and accessories<br><br><b>Software licenses</b><br>1×CPXpert Advanced<br>1×CT Excitation<br>1×CT Ratio V<br>1×CT Ratio Low-Power<br>1×VT Ratio<br>1×VT Burden<br>1×Polarity Check<br><br><b>Cables and accessories</b><br>1×Essential accessories for High Current Module ⓘ<br>9 m (30 ft) cable configuration<br>1×AC / DC current clamp E25 with integrated zero adjustment |
| <b>CPX 200 Instrument Transformer Enhanced</b><br>+ includes CPX 200 Instrument Transformer Standard plus:<br><br> | P0011556 | <b>Hardware</b><br>1×HVX10 ⓘ<br><br><b>Software licenses</b><br>1×Dissipation-/Power Factor & Capacitance<br>1×Insulation Resistance<br><br><b>Cables and accessories</b><br>1×Essential accessories for HVX10 ⓘ                                                                                                                                                                                                                                                         |

## Transportation

- > P0011075 - Two-Case Upgrade Option for CPX 200 and HVX10  
 This upgrade option includes a transport case for the CPX 200 and HVX10, along with foam inlays for single device transportation of the CPX 200 and HVX10.

# Switchgear packages

|                                                                                                                                                                                                                                                   | Item no. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CPX 200 Switchgear Essential</b><br>                                                                                                                          | P0011560 | <b>Hardware</b><br>1×CPX 200<br><br><b>Software licenses</b><br>1×SG Timing<br>1×SG Static Contact Resistance<br>1×Quick<br><br><b>Cables and accessories</b><br>2×Interlock key<br>1×CPX 200 display cover<br>1×Transport case for CPX 200 & HVX10<br>1×Essential accessories for CPX 200 ⓘ<br>10 m (33 ft) cable configuration                                                                                                                                                     |
| <b>CPX 200 Switchgear Standard</b><br>+ includes CPX 200 Switchgear Essential plus:<br>                                                                         | P0011562 | <b>Hardware</b><br>1×High Current Module integrated in CPX 200 ⓘ<br><br><b>Software licenses</b><br>1×CPXpert Advanced<br>1×SG Coil Current<br>1×SG Motor Current<br><br><b>Cables and accessories</b><br>1×Essential accessories for High Current Module ⓘ<br>9 m (30 ft) cable configuration<br>1×Carry bag for multi asset cable<br>2×Multi-asset cable<br>(4 pole, 15 m (50 ft), 2.5 mm² including 1 × carry bag)<br>1×AC / DC current clamp E25 with integrated zero adjustment |
| <b>CPX 200 Switchgear Enhanced</b><br>+ includes CPX 200 Switchgear Standard plus:<br>                                                                         | P0011563 | <b>Hardware</b><br>1×HVX10 ⓘ<br><br><b>Software licenses</b><br>1×Dissipation-/Power Factor & Capacitance<br>1×Insulation Resistance<br><br><b>Cables and accessories</b><br>1×Essential accessories for HVX10 ⓘ                                                                                                                                                                                                                                                                     |
| <b>Transportation</b><br>> P0011075 - Two-Case Upgrade Option for CPX 200 and HVX10<br>This upgrade option includes a transport case for the CPX 200 and HVX10, along with foam inlays for single device transportation of the CPX 200 and HVX10. |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

# HVX10 upgrade option

|                                                                                                                   | Item no. | Description                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HVX10 upgrade package</b><br> | P0011550 | <b>Hardware</b><br>1 × HVX10<br><b>Cables and accessories</b><br>1 × Transport case for CPX 200 & HVX10<br>Case configuration: including single usage foam inlay for HVX10<br>1 × Essential accessories for HVX10  |

## Recommended product enhancements:

### Software package

- > P0009450 - Insulation diagnostic including Dissipation/Power Factor & Capacitance and Insulation Resistance software licences for CPX 200

### Software licenses:

- > P0008912 - Dissipation/Power Factor & Capacitance  
Software license in the CPX 200 that enables Dissipation/Power Factor & Capacitance measurements
- > P0008925 - Insulation Resistance  
Software license in the CPX 200 that enables insulation resistance measurements

### Cables and accessories

- > P0008102 - Temperature and humidity sensor package  
Case containing an hygro- and thermometer to measure ambient temperature as well humidity of test objects
- > B0802801 - Test hook  
Alternative high-voltage test object connection for HVX10.

### Transportation

- > P0010129 - CPX 200 and HVX10 backpack package  
The backpack is designed to carry both the CPX 200 and HVX10, making it ideal for covering longer distances or navigating uneven terrain during testing days.

## Integrated\* software enhancements:

### Universal

- > Quick: Enabling 10 kV AC/DC injection

### Instrument transformer

- > VT Ratio: Enabling 10 kV AC measurements
- > Polarity check: Enabling 10 kV AC injection

\* Using software enhancements requires the availability of the individual software licenses per CPX 200.

# High Current Module upgrade option

|                                                                                   | Item no. | Description                                                                                                                                        |
|-----------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | P0011870 | <b>Hardware</b><br>1 × High Current Module installed into CPX 200                                                                                  |
|                                                                                   |          | <b>Services</b><br>1 × High Current Module installation by OMICRON certified service centers                                                       |
|                                                                                   | P0009168 | <b>Required accessories configuration (choose one):</b> ⓘ<br>1 × Essential accessories for High Current Module<br>Cable configuration: 6 m (20 ft) |
|                                                                                   | P0009169 | 1 × Essential accessories for High Current Module<br>Cable configuration: 9 m (30 ft)                                                              |

## Recommended product enhancements:

### Software licenses:

- > P0009026 - TR Winding Resistance  
Software license in the CPX 200 that enables power transformer winding resistance measurements
- > P0009031 - SG Static Contact Resistance  
Software license in the CPX 200 that enables switchgear static contact resistance measurements
- > P0008973 - CT Ratio  
Software license in the CPX 200 that enables current transformer ratio measurements

### Cables and accessories

- > B1225600 (M12), B1334400 (M14) or B1259800 (M16) – Kelvin screw  
When space constraints make using a clamp impractical, Kelvin screws offer an alternative method for wiring the switchgear contact resistance test with HC OUT (100A)
- > P0010787 - Quick high current access connector with M12 thread package  
Offering an alternative connection option for the 1 000 A High Current Module cables by securing the access connector with an M12 threaded connection to the device under test.

## Integrated\* software enhancements:

### Universal

- > Quick: Enabling 1 kA AC/DC injection

### Power transformer

- > TR Winding Resistance: Enabling 100 A DC measurements

### Instrument transformer

- > CT Ratio: Enabling 1 kA AC measurements
- > Polarity check: Enabling 1 kA AC injection

### Switchgear

- > SG Static Contact Resistance: Enabling 1 kA DC measurements

\* Using software enhancements requires the availability of the individual software licenses per CPX 200.

# Devices & Modules

|                                                                                     | Item no. | Description                                                                                                                                                                                                                                                                                 |                           |                          |                          |                          |                        |                             |                 |                      |
|-------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|                                                                                     |          |                                                                                                                                                                                                                                                                                             | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|    | P0011479 | CPX 200 (Basic package without High Current Module)<br><ul style="list-style-type: none"> <li>&gt; Multifunctional test system CPX 200</li> <li>&gt; Quick test card (manual test set control)</li> <li>&gt; Essential accessory package according to <a href="#">page 14–15</a></li> </ul> | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|                                                                                     | P0011870 | High Current Module (upgrade option)<br><ul style="list-style-type: none"> <li>&gt; Extension with 1 000 A AC/DC output capability</li> <li>&gt; Essential accessory package according to <a href="#">page 17</a></li> </ul>                                                                | –                         | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | P0011550 | HVX10 (upgrade option)<br><ul style="list-style-type: none"> <li>&gt; Dissipation/Power factor and capacitance test unit</li> <li>&gt; Insulation resistance test unit</li> <li>&gt; Essential accessory package according to <a href="#">page 20–21</a></li> </ul>                         | –                         | –                        | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | 1x                   |
|                                                                                     | P0009398 | CPOL3<br><ul style="list-style-type: none"> <li>&gt; Polarity tester</li> <li>&gt; With integrated display for voltage and current readings</li> </ul>                                                                                                                                      | –                         | –                        | 1x                       | 1x                       | –                      | 1x                          | –               | –                    |

# Essential accessories for CPX 200

|                                                                                     | Item no. | Description                                                                              | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | P0008225 | Essential carry bag for CPX 200 / HVX10 accessories                                      | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|    | B1890100 | Kelvin clamps red<br>> with 2 x 4 mm connector & 1 x 6 mm connector                      | 4x                        | 4x                       | 4x                       | 4x                       | 4x                     | 4x                          | 4x              | –                    |
|    | B1890200 | Kelvin clamps black<br>> with 2 x 4 mm connector & 1 x 6 mm connector                    | 4x                        | 4x                       | 4x                       | 4x                       | 4x                     | 4x                          | 4x              | –                    |
|  | B1889700 | Grounding cable (green/yellow)<br>> 6 m (20 ft), 6 mm <sup>2</sup> with connection clamp | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | E1664400 | RJ45 ethernet cable<br>> 3 m (10 ft)                                                     | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | E0897800 | Soft bag red<br>> 24 x 6 x 6 cm ( W x H x D)<br>> 9.5 x 2 x 2 in ( W x H x D)            | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | E0439201 | Flexible terminal adapters (12 pcs)                                                      | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | E0343100 | Test clip red<br>> 32 A crocodile connector to 4 mm (0.16 in) female connector           | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | E0678400 | Test clip yellow<br>> 32 A crocodile connector to 4 mm (0.16 in) female connector        | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | E0678300 | Test clip blue<br>> 32 A crocodile connector to 4 mm (0.16 in) female connector          | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | E0343600 | Test clip black<br>> 32 A crocodile connector to 4 mm (0.16 in) female connector         | 3x                        | 3x                       | 3x                       | 3x                       | 3x                     | 3x                          | 3x              | –                    |

■ included    ⚙ configuration option    – not included  
 ■ in Standard & Enhanced tier    ▲ in Enhanced tier    ● in Essential & Standard tier

# Essential accessories for CPX 200

|                                                                                     |  | Item no. | Description                                                                                                                                               | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|--|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    |  | E0439300 | Test lead black<br>> 5.5 cm (2 in), 2.5 mm <sup>2</sup>                                                                                                   | 3x                        | 3x                       | 3x                       | 3x                       | 3x                     | 3x                          | 3x              | –                    |
|    |  | E1333600 | Test lead red<br>> 5.5 cm (2 in), 2.5 mm <sup>2</sup>                                                                                                     | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | 1x                   |
|    |  | E1333500 | Test lead red<br>> 25 cm (10 in), 2.5 mm <sup>2</sup>                                                                                                     | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | 1x                   |
|  |  | E0888100 | Test lead black<br>> 1 m (3 ft), 2.5 mm <sup>2</sup>                                                                                                      | 2x                        | 2x                       | 2x                       | 2x                       | 2x                     | 2x                          | 2x              | –                    |
|  |  | B1462400 | Test lead red (short)<br>> 6 m (20 ft), 2.5 mm <sup>2</sup>                                                                                               | 6x                        | 6x                       | 6x                       | 6x                       | 6x                     | 6x                          | 6x              | –                    |
|  |  | B1462700 | Test lead black (short)<br>> 6 m (20 ft), 2.5 mm <sup>2</sup>                                                                                             | 2x                        | 2x                       | 2x                       | 2x                       | 2x                     | 2x                          | 2x              | –                    |
|  |  | B1463000 | Test lead red (long)<br>> 10 m (33 ft), 2.5 mm <sup>2</sup>                                                                                               | 6x                        | 6x                       | 6x                       | 6x                       | 6x                     | 6x                          | 6x              | –                    |
|  |  | B1463300 | Test lead black (long)<br>> 10 m (33 ft), 2.5 mm <sup>2</sup>                                                                                             | 2x                        | 2x                       | 2x                       | 2x                       | 2x                     | 2x                          | 2x              | –                    |
|  |  | B1290200 | Coaxial cables with separate ends and connectors (short)<br>> 6 m (20 ft), 2.5 mm <sup>2</sup><br>> Splice: 2 x 15 cm (6 in)                              | 2x                        | 2x                       | 2x                       | 2x                       | 2x                     | 2x                          | 2x              | –                    |
|  |  | B1290300 | Coaxial cables with separate ends and connectors (long)<br>> 10 m (33 ft), 2.5 mm <sup>2</sup><br>> Splice: 1 x 15 cm & 1 x 150 cm (1 x 6 in & 1 x 59 in) | 2x                        | 2x                       | 2x                       | 2x                       | 2x                     | 2x                          | 2x              | –                    |

■ included    ⚙ configuration option    – not included  
 □ in Standard & Enhanced tier    ▲ in Enhanced tier    ● in Essential & Standard tier

# Power cords for CPX 200

|                                                                                     | Item no.          | Description                                                                                    | Multifunctional Essential                    | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|                                                                                     |                   |                                                                                                |                                              |                          |                          |                          |                        |                             |                 |                      |
|    | P0000280:AUS_NZL  | C19 power cord for plug type I (Australia)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup>           | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|    | P0000280:BRA      | C19 power cord for plug type N (Brasil)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup>              | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|   | P0000280:CHE      | C19 power cord for plug type J (Swiss)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup>               | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|  | P0000280:DNK      | C19 power cord for plug type K (Denmark)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup>             | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|  | P0000280:EU       | C19 power cord for plug types E & F (Europe)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup>         | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|  | P0000280:GBR      | C19 power cord for plug type G (UK, Honkong)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup>         | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|  | P0000280:open_end | C19 power cord (open end)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup> , open ends                | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|  | P0000280:USA      | C19 power cord for plug type B (USA, Japan)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup>          | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |
|  | P0000280:ZAF_IND  | C19 power cord for plug type M (India, South Africa)<br>> 2.5 m (8.20 ft), 1.5 mm <sup>2</sup> | 1x power cord type per country is included 1 |                          |                          |                          |                        |                             |                 | –                    |

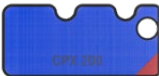
1 the included power cord (1 x piece) depends on the end-user's country

# Essential accessories for High Current Module

|                                                                                     | Item no. | Description                                                                                                                                             | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | E0472902 | Carry bag for accessories                                                                                                                               | –                         | 1x                       | 1x                       | 1x                       | 1x<br>□                | 1x<br>□                     | 1x<br>□         | –                    |
|    | B2166700 | High Current Module clamps<br>> for 1000 A AC/DC output                                                                                                 | –                         | 2x                       | 2x                       | 2x                       | 2x<br>□                | 2x<br>□                     | 2x<br>□         | –                    |
|    | B1889400 | 100A High Current Module cable red<br>> 15 m (50 ft), 16 mm <sup>2</sup>                                                                                | –                         | 1x                       | 1x                       | 1x                       | 1x<br>□                | 1x<br>□                     | 1x<br>□         | –                    |
|  | B1889300 | 100A High Current Module cable black<br>> 15 m (50 ft), 16 mm <sup>2</sup>                                                                              | –                         | 1x                       | 1x                       | 1x                       | 1x<br>□                | 1x<br>□                     | 1x<br>□         | –                    |
|  | B2011800 | 1kA High Current Module cable red (short)<br>> 6 m (20 ft), 95 mm <sup>2</sup>                                                                          | –                         | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙<br>□           | 1x<br>⚙<br>□                | 1x<br>⚙<br>□    | –                    |
|  | B2011900 | 1kA High Current Module cable black (short)<br>> 6 m (20 ft), 95 mm <sup>2</sup>                                                                        | –                         | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙<br>□           | 1x<br>⚙<br>□                | 1x<br>⚙<br>□    | –                    |
|  | P0008811 | 1kA High Current Module cable red (long)<br>> 9 m (30 ft), 95 mm <sup>2</sup>                                                                           | –                         | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙<br>□           | 1x<br>⚙<br>□                | 1x<br>⚙<br>□    | –                    |
|  | P0008812 | 1kA High Current Module cable black (long)<br>> 9 m (30 ft), 95 mm <sup>2</sup>                                                                         | –                         | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙                  | 1x<br>⚙<br>□           | 1x<br>⚙<br>□                | 1x<br>⚙<br>□    | –                    |
|  | P0002765 | High Current Module protection cap                                                                                                                      | –                         | 2x                       | 2x                       | 2x                       | 2x<br>□                | 2x<br>□                     | 2x<br>□         | –                    |
|  | P0010787 | Quick high current access connector<br>> 6 x 60 cm (6 x 23 in), connector with M12 thread<br>> Connection point for 1 kA for High Current Module cables | –                         | –                        | –                        | –                        | –                      | –                           | –               | –                    |

■ included   ⚙ configuration option   – not included  
 □ in Standard & Enhanced tier   ▲ in Enhanced tier   ● in Essential & Standard tier

# Accessories for CPX 200

|                                                                                     | Item no. | Description                                                                                     | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | P0008305 | INTERLOCK Key                                                                                   | 2x                        | 2x                       | 2x                       | 2x                       | 2x                     | 2x                          | 2x              | –                    |
|    | E0472902 | Carry bag for Multi-asset cables                                                                | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | –                           | 1x              | –                    |
|   | P0002454 | Multi-asset cable with white labeled markers<br>> 4 pole, 15 m (50 ft), 2.5 mm <sup>2</sup>     | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | –                           | 1x              | –                    |
|  | P0002455 | Multi-asset cable with gray labeled markers<br>> 4 pole, 15 m (50 ft), 2.5 mm <sup>2</sup>      | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | –                           | 1x              | –                    |
|  | P0008992 | AC / DC current clamp E25 with integrated zero adjustment<br>> up to 60 A AC<br>> up to 80 A DC | –                         | 1x                       | 1x                       | 1x                       | –                      | 1x                          | 1x              | –                    |
|  | P0002096 | Transport case for CPX 200 & HVX10 (One-case)                                                   | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | 1x                   |
|  | P0002073 | CPX 200 display cover                                                                           | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | –                    |
|  | P0006305 | Set of one red and one black battery clamp,<br>> with 1 x 4 mm connector                        | –                         | –                        | –                        | –                        | –                      | –                           | –               | –                    |
|  | B1009401 | Y clamp<br>> with 1 x 4 mm connector<br>> alternative wiring option for switchgear testing      | –                         | –                        | –                        | –                        | –                      | –                           | –               | –                    |
|  | B0990501 | Y clamp<br>> with 1 x 6 mm connector<br>> alternative wiring option for switchgear testing      | –                         | –                        | –                        | –                        | –                      | –                           | –               | –                    |

■ included    ⚙ configuration option    – not included  
 □ in Standard & Enhanced tier    ▲ in Enhanced tier    ● in Essential & Standard tier

# Accessories for CPX 200

|                                                                                     | Item no. | Description                                                                                                                                                                                                          | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | P0006366 | Terminal adapter box for switchgear testing<br>> with ISO and ANSI screw threads<br>> 4mm connection adapters for cabinet terminals                                                                                  | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|    | P0006367 | Terminal adapter box for switchgear testing<br>> with ISO screw threads<br>> 4mm connection adapters for cabinet terminals                                                                                           | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|   | P0002098 | Single CPX 200 case foam inlay for CPX 200 transport case                                                                                                                                                            | 2x                        | 2x                       | —                        | —                        | 2x                     | 2x                          | 2x              | —                    |
|  | E1931301 | Exchange dust filter for CPX 200                                                                                                                                                                                     | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0010655 | CPX/HVX transport case spare key                                                                                                                                                                                     | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0010129 | CPX 200 and HVX10 backpack package                                                                                                                                                                                   | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0008490 | Backpack part/Carry bag for CPX 200<br>> Can be used as standalone CPX 200 device carry bag without requiring the HVX10 backpack part and the backpack straps<br>> Dedicated shoulder strap for carrying is included | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0008492 | Backpack straps for CPX 200 and HVX10<br>> 1 x pair of backpack straps for the combined usage of the CPX 200 & HVX10 backpack parts as backpack                                                                      | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0010769 | Fuse spare part package<br>> 4 x spare part fuses for CPX 200 I IN 1 and I IN 2 current input protection                                                                                                             | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|                                                                                     | P0009487 | CPX 200 Getting Started (124603)                                                                                                                                                                                     | 1x                        | 1x                       | 1x                       | 1x                       | 1x                     | 1x                          | 1x              | —                    |

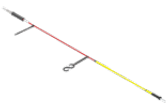
■ included    ⚙ configuration option    — not included

□ in Standard & Enhanced tier    ▲ in Enhanced tier    ● in Essential & Standard tier

# Accessories for CPX 200

|                                                                                     | Item no. | Description                                                                                                                                                                        | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | B1225600 | Kelvin screw M12                                                                                                                                                                   | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|    | B1334400 | Kelvin screw M14                                                                                                                                                                   | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|    | B1259800 | Kelvin screw M16                                                                                                                                                                   | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | B0377300 | Transport case with wheels for CPX 200 accessories<br><br>This transport case is ideal when high-current cables and multi-asset cables should be shipped instead of the carry bag. | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0007627 | OSA1 carry bag                                                                                                                                                                     | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |

# Essential accessories for HVX10

|                                                                                     | Item no. | Description                                                                                  | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | P0008225 | Essential carry bag for CPX 200 / HVX10 accessories                                          | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|    | B1855902 | High voltage test lead for HV OUT<br>> 20 m (65 ft)                                          | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|    | B2042200 | Test lead red for IN A<br>> 20 m (65 ft)                                                     | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B2011301 | Test lead yellow for IN B<br>> 20 m (65 ft)                                                  | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B2042300 | Test lead blue for IN C<br>> 20 m (65 ft)                                                    | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B2011201 | Test lead black for IN D<br>> 20 m (65 ft)                                                   | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B0510401 | High voltage clamp                                                                           | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B1803800 | Measurement grounding cable (violet)<br>6 m (20 ft), 6 mm <sup>2</sup> with connection clamp | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B0349602 | Booster cable (short)<br>0.5 m (1.6 ft)                                                      | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B2011601 | Booster cable (long)<br>6 m (20 ft)                                                          | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B1889900 | EtherCAT® cable<br>0.5 m (1.6 ft)                                                            | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |

■ included    ⚙ configuration option    — not included  
 □ in Standard & Enhanced tier    ▲ in Enhanced tier    ● in Essential & Standard tier

# Essential accessories for HVX10

|                                                                                     | Item no. | Description                                                                                 | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | B0889301 | EtherCAT® cable<br>6 m (20 ft)                                                              | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|    | E0897800 | Soft bag red<br>24 x 6 x 6 cm (W x H x D) (9.5 x 2 x 2 in)                                  | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|   | B0594602 | High voltage test lead to 4 mm adapter                                                      | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | E0688200 | Braid wire<br>reel with 25 m (82 ft), 0.5 mm <sup>2</sup>                                   | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | E1761800 | 4 mm bushing tap adapter red                                                                | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | P0009425 | 4 mm bushing tap adapter yellow                                                             | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | E1761900 | 4 mm bushing tap adapter blue                                                               | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | P0009424 | 4 mm bushing tap adapter black                                                              | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | B0649200 | Hot collar band                                                                             | —                         | —                        | 1x                       | 1x                       | 1x<br>▲                | 1x<br>▲                     | 1x<br>▲         | 1x                   |
|  | E0542901 | 4 mm bushing tap adapters with 1x retractable shrouded connector &<br>1x shrouded connector | —                         | —                        | 4x                       | 4x                       | 4x<br>▲                | 4x<br>▲                     | 4x<br>▲         | 4x                   |

■ included    ⚙ configuration option    — not included  
 □ in Standard & Enhanced tier    ▲ in Enhanced tier    ● in Essential & Standard tier

# Accessories for HVX10

|                                                                                     | Item no. | Description                                                                                                                                                                                                      | Multifunctional Essential | Multifunctional Standard | Multifunctional Enhanced | Multifunctional Complete | Power Transformer Line | Instrument Transformer Line | Switchgear Line | HVX10 Upgrade Option |
|-------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------------------|-----------------|----------------------|
|    | P0002096 | Transport case for CPX 200 & HVX10 (One-case)                                                                                                                                                                    | —                         | —                        | —                        | —                        | —                      | —                           | —               | 1x                   |
|    | P0002097 | Single HVX10 case foam inlay for CPX 200 / HVX10 transport case                                                                                                                                                  | —                         | —                        | —                        | —                        | —                      | —                           | —               | 2x                   |
|   | P0011075 | Two-Case Upgrade Option for CPX 200 and HVX10                                                                                                                                                                    | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0006294 | Bushing adapter set                                                                                                                                                                                              | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0008102 | Temperature and humidity sensor package                                                                                                                                                                          | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | B0802801 | Test hook for HVX10                                                                                                                                                                                              | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|  | P0008491 | Backpack part / Carry bag for HVX10<br>Can be used as standalone HVX10 device carry bag without requiring the CPX 200 backpack part and the backpack straps<br>Dedicated shoulder strap for carrying is included | —                         | —                        | —                        | —                        | —                      | —                           | —               | —                    |
|                                                                                     | P0010620 | HVX10 Getting Started (129603)                                                                                                                                                                                   | —                         | —                        | 1x                       | 1x                       | 1x ▲                   | 1x ▲                        | 1x ▲            | 1x                   |

# Software packages & licenses

| CPX 200 software packages                                               |                                                                                     | CPX 200 software licences                        |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>Multifunctional essential software package</b><br>Item no.: P0009926 | Universal                                                                           |                                                  |
|                                                                         |    | Quick P0008917 (Always included)                 |
|                                                                         | Power transformer essential software package<br>Item no.: P0009447                  |                                                  |
|                                                                         |    | TR Ratio P0009025                                |
|                                                                         |    | TR Winding Resistance P0009026                   |
|                                                                         |    | Demagnetization P0008980                         |
|                                                                         | Instrument transformer essential software package<br>Item no.: P0009924             |                                                  |
|                                                                         |    | CT Ratio P0008973                                |
|                                                                         |    | CT Burden P0008971                               |
|                                                                         |    | CT Winding Resistance & Demagnetization P0008976 |
|                                                                         | Switchgear essential software package<br>Item no.: P0009448                         |                                                  |
|                                                                         |    | SG Timing P0009032                               |
|                                                                         |    | SG Static Contact Resistance P0009031            |
| <b>Multifunctional standard software package</b><br>Item no.: P0009927  | Universal                                                                           |                                                  |
|                                                                         |  | CPXpert Advanced P0008921                        |
|                                                                         | Power transformer standard software package<br>Item no.: P0010342                   |                                                  |
|                                                                         |  | TR Short-circuit Impedance P0010340              |
|                                                                         | Instrument transformer standard software package<br>Item no.: P0009925              |                                                  |
|                                                                         |  | CT Excitation P0008972                           |
|                                                                         |  | CT Ratio Low-Power P0008975                      |
|                                                                         |  | CT Ratio V P0008974                              |
|                                                                         |  | VT Ratio P0008978                                |
|                                                                         |  | VT Burden P0008977                               |
|                                                                         |  | Polarity Check P0008970                          |
|                                                                         | Switchgear standard software package<br>Item no.: P0009449                          |                                                  |
|                                                                         |  | SG Coil Current P0009413                         |
|                                                                         |  | SG Motor Current P0009029                        |
| <b>Multifunctional enhanced software package</b><br>Item no.: P0009110  | Insulation diagnostic software package<br>Item no.: P0009450                        |                                                  |
|                                                                         |  | Dissipation/Power Factor & Capacitance P0008923  |
|                                                                         |  | Insulation Resistance P0008925                   |

## Annual Digital License for CPX 200 (P0012356)

This license is exclusively available within the Multifunctional Complete Software Package and operates on a yearly subscription basis. All current and future licenses will be included, once available.

# Software packages & licenses

## Software package & licenses use-cases

| CPX 200 software packages                                                                                                                                                                                                                                                                                                                                                            | CPX 200 software licenses                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                     |                                                                                                                                 |
| <p>For both multifunctional and application-specific package lines, matching software licenses are available per tier as standalone packages. The package savings mentioned in the Overview package option also apply to these software packages.</p> <p>This option can also be considered when an application-specific package needs to be enhanced with a second application.</p> | <p>Each CPX 200 license can be acquired individually. Consider purchasing individual software licenses to meet specific testing needs or upgrade to the next tier within the same application in the future.</p> |

## Software package savings

|                        | Essential                                                                           | Standard<br>includes Essential tier plus:                                            | Enhanced<br>includes Standard tier plus:                                              |
|------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                        |  |  |  |
| Multifunctional        | ~10 %                                                                               | ~15 %                                                                                | ~20 %                                                                                 |
| Power Transformer      | ~5 %                                                                                | ~10 %                                                                                | ~15 %                                                                                 |
| Instrument Transformer | ~5 %                                                                                | ~10 %                                                                                | ~15 %                                                                                 |
| Switchgear             | ~5 %                                                                                | ~10 %                                                                                | ~15 %                                                                                 |

# CORTEX Grid packages

CORTEX Grid Standard package is available as standalone option for the CPX 200 and other products running on Primary Test Manager™ (PTM) or CT Analyzer Suite. Additionally, CORTEX Grid is included with the CPX 200 Multifunctional Complete Package.

|                                                                                                     | Standard |
|-----------------------------------------------------------------------------------------------------|----------|
| <b>Data Consolidation and Management</b>                                                            |          |
| <b>Consolidation:</b> Gather data from PC testing software (PTM, CPXpert, CTA Suite)                | ✓        |
| <b>Conflict Resolution:</b> Handle inconsistencies or discrepancies between data points             | ✓        |
| <b>Backup:</b> Ensure data integrity with regular backups                                           | ✓        |
| <b>Template Distribution:</b> Streamline test processes by distributing standardized test templates | ✓        |
| <b>Project Tracking:</b> Monitor project progress, deadlines, and resource allocation effectively   | ✓        |
| <b>OMICRON Continuity:</b> Connect PC testing software to CORTEX Grid                               | ✓        |
| <b>Scalable Storage*:</b> Offers flexible storage options                                           | ✓        |
| <b>Data Assessment and Reporting (coming soon)</b>                                                  |          |
| <b>Visualization:</b> Customize visualizations (charts, graphs) to effectively present results      | ✓        |
| <b>Reporting Workflow:</b> Configure and automate report generation and distribution processes      | ✓        |
| <b>Data Visualization &amp; Trending:</b> Identify patterns, trends, and anomalies within the data  | ✓        |
| <b>Standards Compliance:</b> Assess results against relevant international standards                | ✓        |
| <b>Phase-to-Phase Analysis:</b> Conduct thorough comparisons of phase-to-phase comparison           | ✓        |
| <b>FAT Benchmarking:</b> Compare benchmark results with Factory Acceptance Test (FAT) results       | ✓        |
| <b>Database Benchmarking:</b> Compare and analyze results against the asset fleet                   | ✓        |
| <b>Report Approval:</b> Streamlined workflow for efficient review and approval of reports           | ✓        |
| <b>Report Generation:</b> Generate comprehensive reports for single and multi-asset assessments     | ✓        |

\* Choose between 20 GB, 50 GB or 100 GB Microsoft Azure storage capacity.

# CORTEX Grid hosting options

All CORTEX Grid tiers are available in three sizes

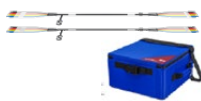
| Small                                                                                                                                                                                                                                                         | Medium                                                                                                                                                                                                                                              | Large                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>20 GB of Storage</b><br><b>Recommended for:</b> <ul style="list-style-type: none"> <li>&gt; Startups &amp; Small Teams</li> <li>&gt; 1–10 Users</li> <li>&gt; ~50 Assets tested/year*</li> </ul> <b>Item no.: P0012232</b><br>CORTEX Grid Standard - Small | <b>50 GB of Storage</b><br><b>Recommended for:</b> <ul style="list-style-type: none"> <li>&gt; Growing Teams</li> <li>&gt; 10–25 Users</li> <li>&gt; ~100 Assets tested/year*</li> </ul> <b>Item no.: P0012233</b><br>CORTEX Grid Standard - Medium | <b>100 GB of Storage</b><br><b>Recommended for:</b> <ul style="list-style-type: none"> <li>&gt; Large Teams &amp; High Volume Testers</li> <li>&gt; &gt; 25 Users</li> <li>&gt; &gt; 100 Assets tested/year*</li> </ul> <b>Item no.: P0012234</b><br>CORTEX Grid Standard - Large |

For your hosting, you can select an Azure datacenter location that best suits your needs. More information about available data centers can be found on the Microsoft Datacenter website: <https://datacenters.microsoft.com/globe/explore/>



\* Including photos and attachments.

# Accessory packages

| Item no.                                                                            | Description                                                                                                                         | Content                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| P0009474                                                                            | Essential accessories for CPX 200<br>> 6 m (20 ft) configuration option                                                             | <a href="#">see page 14–15</a>                               |
| P0009475                                                                            | Essential accessories for CPX 200<br>> 10 m (33 ft) configuration option                                                            | <a href="#">see page 14–15</a>                               |
| P0009168                                                                            | Essential accessories for High Current Module<br>> 6 m (20 ft) configuration option                                                 | <a href="#">see page 17</a>                                  |
| P0009169                                                                            | Essential accessories for High Current Module<br>> 9 m (30 ft) configuration option                                                 | <a href="#">see page 17</a>                                  |
| P0009476                                                                            | Essential accessories for HVX10                                                                                                     | <a href="#">see page 20–21</a>                               |
|   | P0000133<br>100A High Current Module cable set<br>> 15 m (50 ft), 16 mm <sup>2</sup>                                                | > 1×B1889400<br>> 1×B1889300                                 |
|  | P0009096<br>1kA High Current Module cable set<br>> 6 m (20 ft), 95 mm <sup>2</sup>                                                  | > 1×B1988800<br>> 1×B1988900                                 |
|  | P0009097<br>1kA High Current Module cable set<br>> 9 m (30 ft), 95 mm <sup>2</sup>                                                  | > 1×P0008811<br>> 1×P0008812                                 |
|  | P0000134<br>HVX low voltage cable set<br>> 20 m (65 ft)                                                                             | > 1×B2042200<br>> 1×B2011301<br>> 1×B2042300<br>> 1×B2011201 |
|  | P0010947<br>Multi-asset cable package<br>> 2×15 m (2 x 50 ft), 4 x 2,5 m <sup>2</sup> multi-asset cables<br>> 1×transport carry bag | > 1×P0002454<br>> 1×P0002455<br>> 1×E0472902                 |

OMICRON is an international company that works passionately on ideas for making electric power systems safe, secure, and reliable. Our pioneering solutions are designed to meet our industry's current and future challenges. We always go the extra mile to empower our customers: we react to their needs, provide extraordinary local support, and share our expertise.

Within the OMICRON group, we research and develop innovative technologies for all fields in electric power systems. Customers worldwide rely on the accuracy, speed, and quality of our reliable, user-friendly solutions for electrical testing of medium- and high-voltage equipment, protection systems, digital substations, and cybersecurity.

Founded in 1984, OMICRON draws on their decades of profound expertise in the field of electric power engineering. A dedicated team of more than 1,300 employees provides solutions with 24/7 support at 23 locations worldwide and serves customers in more than 170 countries.



*Emotions are energy. Our energy moves.*

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