

COMPANO 100

Ordering Information



Standard Accessories










Note: Dimensions in metric units are reference, imperial units are for guidance only.

The standard accessories are included in all packages. They include:

| Description | Item no. |
|--|--------------|
| Battery charger | B1445200 |
| Power Cord (country specific) | P0000279 |
| Grounding cable 6 m / 19.5 ft 6 mm ² / AWG10 yellow/green | B0349701 |
| Set of 12 flexible terminal adapters | E0202200 |
| Set of 12 non-flexible terminal adapters | E0439201 |
| High current cables 3 m / 10 ft 10 mm ² / AWG7 red | B1491300 |
| High current cables 3 m / 10 ft 10 mm ² / AWG7 black | B1491400 |
| Measurement cable 3 m / 10 ft 2.5 mm ² / AWG13 red | 3 x E1534200 |
| Measurement cable 3 m / 10 ft 2.5 mm ² / AWG13 black | 3 x E1534300 |
| Pair of measurement clamps red | 2 x E0343100 |
| Pair of measurement clamps black | 2 x E0343600 |
| C-Shunt 10 | B0620301 |
| USB 2.0 Flash Storage Drive 4 GByte | E0684301 |









Packages and ordering options

| | Description | Item no. | Standard P0010062 | Advanced P0010063 | Grounding P0005926 | Cable P0011791 | Complete II P0011790 |
|---|---|----------------------------------|--|--|--|--|--|
| | VOUT Independent voltage output | P0006855 | <input type="checkbox"/> ¹ | <input type="checkbox"/> ¹ | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|  | QUICK Application module | P0006856 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|  | FLEX Application module | P0006857 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|  | Micro-ohm Application module | P0006858 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|  | Polarity check Application module | P0006859 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| GROUNDING SYSTEM | Grounding system Package of application modules for grounding systems | P0000410 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| CABLE MEASUREMENT | Cable measurement Cable impedance application module Cable shield current application module | P0010815 P0010814 | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|  | Wiring check add-on CPOL3 Current clamp | P0009398 P0008 992 | <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
|  | Ground system accessories Accessories for measuring ground impedance, soil resistivity and reduction factor with the included Rogowski coil. Also used to inject current for measurements with HGT1. | P0006490 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|  | Step and touch voltage accessories Package for measuring step and touch voltages within HV stations and surrounding areas. Including handheld grounding tester HGT1 and accessories. | P0006491 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|  | CIB1 – Cable measurement accessory Accessory for measuring impedance and shield currents on cables. Can be also used for current injection at grounding system tests. More details on page 7. | P0011792 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|  | Device bag Protective soft bag for the COMPANO 100 Combined shoulder strap and handle (works with or without soft bag) Accessory bag with shoulder strap | E1557600 E1557500 E1557700 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

¹ Available with voltage output licence (:Vout) or without (:noVout)

= Optional = Included









Accessories – Transport

| | Accessory | Item no. |
|---|--|---|
|  | <p>Device bag Protective soft bag for the COMPANO 100 36 × 33 × 23 cm, (W × H × D)</p> <p>Combined shoulder strap and handle (works with or without soft bag) Accessory bag with shoulder strap 36 × 32 × 14 cm, (W × H × D)</p> | <p>E1557600</p> <p>E1557500</p> <p>E1557700</p> |
|  | <p>Transport trolley Robust transport case for shipping, with wheels and extendable handle for easy manoeuvring. 56 × 41 × 48 cm, (W × H × D)</p> | <p>B1560902</p> |
|  | <p>Trolley / Backpack for CMC test sets Trolley/Backpack with wheels, extendable handle and shoulder straps for transportation of CIB1, accessories and cables. Includes one CMC 430 Accessory bag. Can be used also for other COMPANO accessories and CMC test-sets. For simple mechanical protection, not for unattended shipping. 45/49 × 55/62 × 20/24 cm, (W × H × D)</p> | <p>E1636000</p> |
|  | <p>CMC 430 Accessory bag Accessory bag can be used for the transportation of VBO4, CBF1, or CIB1. 37 × 14 × 20 cm, (W × H × D)</p> | <p>E1665200</p> |
|  | <p>Soft bag for CPC 100 accessories Soft bag can be used for the transportation of grounding system test accessories and cables. 40 × 43 × 22 cm, (W × H × D)</p> | <p>E0472902</p> |
|  | <p>Module Soft bag, red/blue Module soft bag for the transportation of accessories and cables. 30 × 22 × 8 cm, (W × H × D)</p> | <p>E0692501</p> |
| | <p>Soft bag for CMC/COMPANO/DANEO accessories 26 × 41 cm, (W × H)</p> | <p>E0543001</p> |

Accessories – Generic Applications

| | Accessory | Item no. |
|---|---|----------------------|
|  | <p>CPOL3 Polarity and wiring checker For checking a series of terminals for correct wiring. The signal can be injected into the primary side of a CT. Thus, the correct polarity of CT wiring can be included in the test.</p> | P0009398 |
|  | <p>Current clamp Active AC and DC current clamp with voltage output.</p> | P0008992 |
|  | <p>C-Shunt 1: 1 mΩ (32 A) C-Shunt 10: 10 mΩ (12.5 A) Precision shunts for current measurements. It can be directly inserted into the inputs of COMPANO 100 making the respective input a current input.</p> | B0620201 B0620301 |
|  | <p>BNO1 Binary output relay This add-on relay converts the V OUT voltage output to a solid-state relay output for up to 10 A AC/DC (2 A continuous). For example, it can be used to trip a circuit breaker and measure the timing or to test logic functions.</p> | P0006487 |
|  | <p>OSH 256R + ASH1 Set This scanning head set is designed for reading status indication LEDs of protection relays. The lightweight scanning head can be attached to smooth surfaces by means of its suction cup or by a re-usable adhesive rubber compound. The adhesive rubber compound additionally screens the sensor from ambient light.</p> | P0009603 |
|  | <p>CBF1 Accessory for self-powered relays Some self-powered relays are causing heavy interferences on the current path due to their integrated switch-mode power supply. CBF1 reduces this effect when testing such relays with COMPANO 100. It allows to test self-powered relays with currents up to 10 A.</p> <p>Includes: CBF1 device (including manual and test certificate) - CBF1 high current cable 1 m / 3 ft 10 mm² / AWG7 red 1 x B1766300 CBF1 high current cable 1 m / 3 ft 10 mm² / AWG7 black 1 x B1766200 Measurement cable 2 m / 6.5 ft 2.5 mm² / AWG13 red 1 x E0201800 Measurement cable 2 m / 6.5 ft 2.5 mm² / AWG13 black 1 x E0201900 Grounding cable 6 m / 19.5 ft 6 mm² / AWG10 yellow/green 1 x B0349701 Soft bag for CMC/COMPANO/DANEO accessories 1 x E0543001 CMC 430 Accessory bag 1 x E1665200</p> | P0006488 |
|  | <p>VBO4 Voltage booster for 300 V and 750 V This accessory is a voltage transformer which can be used to generate 300 V or 750 V from the 150 V voltage output (V OUT) of COMPANO 100. This allows to test relays and voltage sensors which require a higher voltage.</p> <p>Includes: VBO4 device (including manual and test certificate) - Measurement cable 2 m / 6.5 ft 2.5 mm² / AWG13 red 2 x E0201800 Measurement cable 2 m / 6.5 ft 2.5 mm² / AWG13 black 2 x E0201900 Grounding cable 6 m / 19.5 ft 6 mm² / AWG10 yellow/green 1 x B0349701 Soft bag for CMC/COMPANO/DANEO accessories 1 x E0543001 CMC 430 Accessory bag 1 x E1665200</p> | P0006489 |

Accessories – Generic Applications




| | Accessory | Item no. |
|---|--|---|
|  | <p>Terminal adapter box Terminal adapter box, ISO and ANSI screw threads; collection of different adapters to connect cables with 4 mm connectors to control cabinet terminals</p> <p>Terminal adapter box, ISO screw threads; collection of different adapters to connect cables with 4 mm connectors to control cabinet terminals</p> | <p>P0006366</p> <p>P0006367</p> |
|  | <p>Solid terminal adapters For screw type terminals, set consists of 12 pieces</p> | <p>E0202200</p> |
|  | <p>Flexible terminal adapters For screw type terminals, set consists of 12 pieces</p> | <p>E0439201</p> |
|  | <p>Measurement cable set 6 x 6 m / 19.5 ft Measurement cable set 6 x 10 m / 32 ft with 4 mm connectors / 2.5 mm²</p> | <p>P0006191</p> <p>P0006194</p> |
|  | <p>COMPANO 100 6 m / 19.5 ft cable The 6 m / 19.5 ft cable set comprises two high current cables and four measurement cables plus connection adapters and wide opening Kelvin clamps.</p> | <p>P0006213</p> |
|  | <p>Kelvin screw M12 Kelvin screw M14 Kelvin screw M16 with 1 x 4 mm connector and 1 x 6 mm connector As a connection alternative to circuit breakers for high-precision contact resistance measurements. Requires P0006213 for the connection to COMPANO 100.</p> | <p>B1225600</p> <p>B1334400</p> <p>B1259800</p> |
|  | <p>Kelvin clamp black Kelvin clamp with 2 x 4 mm connector</p> | <p>B0508900</p> |
|  | <p>Y clamp with 4 mm connector for banana plugs Y clamp with integrated spike. Can be used for micro-ohm measurements or as connection point for grounding system measurements. Connector for 4 mm banana plugs.</p> | <p>B1009401</p> |

Accessories – Grounding System Tests











Note: For grounding system tests, the following software licenses are required for COMPANO 100:

VOUT: Contact OMICRON Support






Grounding System: P0000410

| Accessory | Item no. |
|---|---|
|  | <p>Ground system accessories Accessories for measuring ground impedance, soil resistivity and reduction factor with the included Rogowski coil. Also used to inject current for measurements with HGT1.</p> <p>Includes: Rogowski coil Measurement cable set 6 x 10 m / 32 ft Cable Drum 100 m 0.75mm² black Cable Drum 50 m 0.75 mm² red Grounding spike Kelvin clamp black Y clamp with 4 mm connector for banana plugs Pair of measurement clamps red Pair of measurement clamps black Soft bag for CPC 100 accessories Tape measure 100m / 300ft</p> <p>P0006490</p> <p>1 x E0532502 1 x P0006194 2 x B0362502 1 x B0362402 4 x P0007760 2 x B0508900 1 x B1009401 1 x E0343100 1 x E0343600 1 x E0472902 1 x E1881600</p> |
|  | <p>Step and touch voltage accessories Package for measuring step and touch voltages within HV stations and surrounding areas. Including handheld grounding tester HGT1 and accessories.</p> <p>Note: Requires CIB1 – Cable measurement accessory (P0011792), Ground system accessories (P0006490) or similar equipment for injection of the test current.</p> <p>Includes: HGT1 Foot electrode 20 x 20 cm / 7.9 x 7.9 in for measurements according to EN50522 Test probe red Measurement cable 2 m / 6.5 ft 2.5 mm² / AWG13 red Measurement cable 2 m / 6.5 ft 2.5 mm² / AWG13 black Grounding spike Pair of measurement clamps red Pair of measurement clamps black USB 2.0 A – USB 2.0 B mini spiral cable Accessory bag with shoulder strap</p> <p>P0006491</p> <p>1 x P0006298 1 x B1245201 2 x P0011261 2 x E0201800 1 x E0201900 2 x P0007760 1 x E0343100 1 x E0343600 1 x E1698500 1 x E1557700</p> |
|  | <p>CIB1 – Cable measurement accessory Accessory for measuring impedance and shield currents on cables. Can be also used for current injection at grounding system tests.</p> <p>P0011792</p> <p>Note: Requires VOUT</p> <p>Includes: CIB1 device (including manual and test certificate) CIB1 test-set cable 5 m / 16 ft 6 x 1.5 mm² / AWG16 CIB1 output cable 5 m / 16 ft 8 x 1.5 mm² / AWG16 Kelvin clamp black Grounding cable 6 m / 19.5 ft 6 mm² / AWG10 yellow/green Soft bag for CMC/COMPANO/DANEO accessories CMC 430 Accessory bag</p> <p>1 x P0010158 1 x P0099587 4 x B0508900 1 x B0349701 1 x E0543001 1 x E1665200</p> |

Accessories – Grounding System Tests

| | Accessory | Item no. |
|---|---|----------------------|
|  | <p>Single grounding spike Max. 30 cm insertion depth. For grounding measurements, e.g. according to EN 50522 or IEEE 81.</p> | P0007760 |
|  | <p>Cable Drum 100 m / 300 ft 0.75mm² / AWG19 black For test current injection or voltage measurement during grounding measurements</p> | B0362502 |
|  | <p>Cable Drum 50 m / 150 ft 0.75 mm² / AWG19 red For test current injection or voltage measurement during grounding measurements</p> | B0362402 |
| | <p>Tape measure 100 m / 300 ft Tool for selecting the individual measuring distances for grounding measurements</p> | E1881600 |
|  | <p>Measurement cable set 6 x 6 m / 19.5 ft Measurement cable set 6 x 10 m / 32 ft with 4 mm connectors / 2.5 mm²</p> | P0006191 P0006194 |
|  | <p>Crocodile clamps for connection of the banana plugs 4 mm / 0.16 in (1 x red and 1 x black)</p> | P0006304 |
|  | <p>Kelvin clamp black Kelvin clamp with 2 x 4 mm connector</p> | B0508900 |
|  | <p>Y clamp with 4 mm connector for banana plugs Y clamp with integrated spike. Can be used for micro-ohm measurements or as connection point for grounding system measurements. Connector for 4 mm banana plugs.</p> | B1009401 |
|  | <p>Rogowski coil 1.9 m / 6 ft flexible rogowski coil for the measurement of current reduction factor, e.g. on power transmission towers.</p> | E0532502 |
|  | <p>HGT1 Handheld grounding tester Frequency selective multimeter to measure Step- and Touch voltages according to EN 50522 and IEEE 81.</p> | P0006298 |
|  | <p>Foot electrode 20 x 20 cm / 7.9 x 7.9 in for measurements according to EN 50522.</p> | B1245201 |

Accessories – Grounding System Tests

| | Accessory | Item no. |
|---|---|----------|
|  | <p>CP GB1 grounding box Grounding box with surge arrestors, grounding studs, grounding socket clamp and grounding cable (2 m / 6.5 ft 95 mm²). Must be used for measurements with CIB1 using overhead lines, lines with overhead line sections or live parallel systems.</p> | P0006312 |
|  | <p>Set of 3 CP GB1 surge arrestors Replacement kit with 3 CP GB1 surge arrestors.</p> | E0455100 |
|  | <p>Studs and clamp U1 for CP GB1 For connection of CP GB1 on 16 mm / 0.63 in cylindrical grounding studs.</p> | P0006317 |
|  | <p>Studs and grounding socket clamp U1 for CP GB1 For connection of CP GB1 on 20 mm / 0.79 in ball studs.</p> | P0006318 |
|  | <p>Studs and grounding socket clamp U2 for CP GB1 For connection of CP GB1 on 25 mm / 0.98 in ball studs.</p> | P0006319 |





Accessories – Cable Measurements

Note: For cable measurements, the following software licenses are required for COMPANO 100:




VOU: Contact OMICRON Support

Cable Impedance Application Module: P0010815

Cable Shield Current Application Module: P0010814

| | Accessory | Item no. |
|---|---|--|
|  | <p>CIB1 – Cable measurement accessory Accessory for measuring impedance and shield currents on cables. Can be also used for current injection at grounding system tests.</p> <p>Note: Requires VOUT</p> <p>Includes: CIB1 device (including manual and test certificate) CIB1 test-set cable 5 m / 16 ft 6 x 1.5 mm² / AWG16 CIB1 output cable 5 m / 16 ft 8 x 1.5 mm² / AWG16 Kelvin clamp black Grounding cable 6 m / 19.5 ft 6 mm² / AWG10 yellow/green Soft bag for CMC/COMPANO/DANEO accessories CMC 430 Accessory bag</p> | <p>P0011792</p> <p>- 1 x P0010158 1 x P0099587 4 x B0508900 1 x B0349701 1 x E0543001 1 x E1665200</p> |
|  | <p>Current clamp Active AC and DC current clamp with voltage output.</p> | P0008992 |
|  | <p>Coaxial cable 3 m / 10 ft Coaxial cable 6 m / 20 ft with separate ends and plugs 4 mm / 0.2 in (both ends: 15 cm / 6 in)</p> | B1290100 B1290200 |
|  | <p>CP GB1 grounding box Grounding box with surge arrestors, grounding studs, grounding socket clamp and grounding cable (2 m / 6.5 ft 95 mm²). Must be used for measurements with CIB1 using overhead lines, lines with overhead line sections or live parallel systems.</p> <p>For replacement surge arrestors and studs, see page 9.</p> | P0006312 |



Accessories – High Current Test

| | Accessory | Item no. |
|---|--|----------|
|  | <p>CP CB2 current booster CP CB2 current booster for CPC 100. Current booster to increase the output current range to 2000 A with CPC 100. Can be also used to output up to 240 A with COMPANO 100 up to several minutes when used together with the COMPANO 100 booster connection cable P0010597. Exact output time depends on battery charge level and burden.</p> | P0009398 |
|  | <p>COMPANO Booster Connection Cable Allows to use the CP CB2 current booster from CPC 100 with COMPANO 100.</p> | P0010597 |
|  | <p>High-current cable set for CP CB2 2 x 1.5 m / 4.92 ft 95 mm² black 2 x 1.5 m / 4.92 ft 95 mm² red 1 x 0.6 m / 1.97 ft 95 mm²</p> | P0006188 |

Accessories – Safety

| | Accessory | Item no. |
|---|---|----------|
|  | Safety Connector Dongle Spare part | B1765200 |
|  | SAA2 Warning Lamp Set – Basic Package Slim package with one lamp in a small transportation case, including: - 1 × SAA2 control unit - 1 × Signal lamp - 1 × Transport case for one signal lamp | P0006337 |
|  | SAA2 Warning Lamp Set – Standard Package Configurable package for up to 4 lamps in one transport case, including: - 1 × SAA2 control unit - 1 × Signal lamp - 1 × Transport case for 4 signal lamps | P0006338 |
|  | SAA2 Extension Kit 1 Signal Lamp Extension kit to configure the Standard Package, including: - 1 × Signal lamp - 1 × Connection cable | P0000995 |
|  | SAA3 – 3-position remote safety switch for CPC 100 Can be also used with COMPANO 100 | P0006323 |

Accessories – Spare Parts

| | Accessory | Item no. |
|---|---|----------------------|
|  | Powercord C13 Country specific | P0000279 |
|  | COMPANO 100 Cover Lid COMPANO 100 Cover Lid without QR code foil QR code foil for COMPANO 100 | B1589400 E1551602 |

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.



COMPANO 100



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