

# Ordering Information VOTANO 100

## Packages



	Ordering No.	Description
<p>VOTANO 100 Standard Package incl. accessories</p> 	VE000802	<p><b>Hardware</b></p> <ul style="list-style-type: none"> <li>1 × VOTANO 100</li> <li>1 × VBO2</li> </ul> <p><b>Cables and accessories</b></p> <ul style="list-style-type: none"> <li>1 × Connection cable (6 poles) VOTANO – VBO2 (6 m / 19.7 ft)</li> <li>1 × Safety box SAB1 with cable (6 m / 19.7 ft)</li> <li>2 × Grounding cable (6 m, 6 mm<sup>2</sup> / 19.7 ft, 0.01 sq in) with connection clamp</li> <li>1 × Standard measurement cable, black, 3m / 10 ft</li> <li>1 × Set consisting of two screened VBO2 high-voltage cables (6 m / 19.7 ft) or (15m / 49.2 ft)</li> <li>2 × Multipole connection cable VBO2 to voltage transformer</li> <li>3 × Connection cable 0.5 m / 1.6 ft with 4 mm / 0.2 in banana sockets</li> <li>2 × Set consisting of four Kelvin clamp adapters (two black and two red)</li> <li>4 × Set consisting of two crocodile clamps with 4 mm / 0.2 in banana sockets</li> <li>2 × Set consisting of 12 solid terminal adapters</li> <li>1 × Set consisting of two Kelvin clamps with 4 mm / 0.2 in banana sockets</li> <li>1 × USB 3.0 Compact Flash card reader</li> <li>1 × Compact Flash card (512 MB)</li> <li>2 × Power cable</li> <li>1 × Power cable extension</li> <li>1 × User manual</li> <li>1 × Calibration confirmation</li> <li>1 × VOTANO 100 PC Toolset CD</li> <li>1 × Transport case VOTANO 100 + VBO2</li> </ul>
<p>VOTANO 100 Advanced Package incl. accessories</p>	VE000803	<p><b>Hardware, cables and accessories</b></p> <p>Hardware, cables and accessories from VOTANO 100 Standard Package plus the following additional features:</p> <ul style="list-style-type: none"> <li>&gt; Automatic VT assessment as per applicable standards up to accuracy class &gt; 0.1</li> <li>&gt; Subsequent simulation and re-assessment of the VTs after modification of the parameters <ul style="list-style-type: none"> <li>&gt; Burden (individually for every winding)</li> <li>&gt; Nominal voltage factor / rated voltage factor</li> <li>&gt; Accuracy class of VT</li> <li>&gt; Primary voltage</li> </ul> </li> <li>&gt; Reload saved measuring data into VOTANO 100 for simulation at any time</li> <li>&gt; Burden measurement</li> </ul>

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## Upgrade Options

	Ordering No.	Description
VOTANO 100 Capacitive VT Upgrade Option	VESM0801	<b>Software upgrade for Standard and Advanced Package</b> Adds automatic VT assessment as per the following standards to both packages: <ul style="list-style-type: none"> <li>&gt; IEC 60044-5 for capacitive VTs</li> <li>&gt; IEC 61869-5 additional requirements for capacitive VTs</li> <li>&gt; ANSI C93.1 requirements for capacitive VTs</li> </ul>
VOTANO 100 Standard to Advanced Upgrade Option	VESM0802	<b>Software upgrade from Standard to Advanced Package</b> Adds to the Standard Package the additional features described under Advanced Package (see above).

## Accessories and Cables

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Calibration VT 	VEHZ0801	With this high-precision calibration IVT (0.05% accuracy) you can calibrate your VOTANO 100 and VBO2 (calibration certificate ISO / IEC 17025 included).
VOTANO 100 Cable Package 	VEHK0804	Additionally available cables / adapters for the connection of several secondary windings and burdens <ul style="list-style-type: none"> <li>1 × Multipole connection cable VBO2 to voltage transformer</li> <li>1 × Set consisting of two Kelvin clamp adapters (two black and two red)</li> <li>1 × Set consisting of two crocodile clamps with 4 mm / 0.2 in banana sockets</li> <li>1 × Set consisting of 12 solid terminal adapters</li> </ul>

## Services

	Ordering No.	Description
Recalibration for Calibration VT	VEDK9057	It is recommended to send us the calibration VT for recalibration every 1-2 years (return shipment included).
Calibration of new VOTANO 100 devices	VEDK0017	New VOTANO 100 devices can be calibrated according to IEC17025 in order to certify their accuracy for VT accuracy class determination and verify the accuracy of their low- and high-voltage in- and outputs.
Recalibration of VOTANO 100 devices in service	VEDK9058	A recalibration of VOTANO 100 devices in service according to IEC17025 is recommended every year in order to certify their accuracy for VT accuracy class determination and verify the accuracy of their low- and high-voltage in- and outputs (return shipment included).

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Customers in more than 150 countries rely on the company's ability to supply leading edge technology of excellent quality. Service centers on all continents provide a broad base of knowledge and extraordinary customer support. All of this together with our strong network of sales partners is what has made our company a market leader in the electrical power industry.

For more information, additional literature, and detailed contact information of our worldwide offices please visit our website.