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**ZERA**

**WMx000I**  
**Product Catalogue**

Doc.No: 100352719  
Version from: 01.07.2024

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## Device



### Current Transformer Measuring Unit WM3000I (19" Slip-in Unit)

Inclusive adjustment and factory calibration for one mains frequency.

Ord.No. **1016738xx**

Calibration	Ord.No.
Factory 50 Hz	xx → 00
Factory 60 Hz	xx → 01
DAkKS 50 Hz	xx → 02
DAkKS 60 Hz	xx → 03

The Current Transformer Measuring Unit WM3000I is a high-precision comparator unit for comparing the secondary signal from transformer under test with a reference signal supplied by a standard voltage transformer.

Operation will be performed via integrated 10.1" touch screen or externally via interface.

The unit is able to test the following types of CTs:

- CTs, acc. IEC61869-1/2 and ANSI/IEEE C57.13
- CTs, with DC output, acc. IEC61869-14 (optional)
- ECTs, acc. IEC61869-8
- LPCTs, acc. IEC61869-10 and digital information of non-conventional transformers (acc. IEC61850-9-2)



### Current Transformer Measuring Unit WM1000I (19" Slip-in Unit)

Inclusive adjustment and factory calibration for one mains frequency.

Ord.No. **1016739xx**

Calibration	Ord.No.
Factory 50 Hz	xx → 00
Factory 60 Hz	xx → 01
DAkKS 50 Hz	xx → 02
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Operation will be performed via integrated 10.1" touch screen or externally via interface.

The unit is able to test

- CTs (acc. IEC61869-1/2 and ANSI/IEEE C57.13).

## Power Cords



### Power cord "Class I grounded plug type E/F to IEC 60320 C13", 2.5 m

For supply via power socket.

- 1x class I grounded plug type E/F (CEE 7/7), straight
- 1x socket IEC 60320 C13

Ord.No.

M00481006



### Power cord "Plug type D (BS 546) to IEC 60320 C13", 1.8 m

For supply via power socket.

- 1x Plug type D (BS 546)
- 1x socket IEC 60320 C13

Ord.No.

100929900



### Power cord "Plug type B to IEC 60320 C13", 2.5 m

For supply via power socket.

- 1x plug type B
- 1x socket IEC 60320 C13

Ord.No.

X00006459



### Power cord "Plug type I to IEC 60320 C13", 2.5 m

For supply via power socket.

- 1x plug type I (AS/NZS 3112, 3-pin)
- 1x socket IEC 60320 C13

Ord.No.

X00006460



### Power cord "Plug type H" to IEC 60320 C13", 1.8 m

For supply via power socket.

- 1x Plug type H
- 1x socket IEC 60320 C13

Ord.No.

100929903



**Power cord “Plug type G (BS 1363) to IEC 60320 C13“, 2.5 m**

For supply via power socket.

- 1x Plug type G (BS 1363)
- 1x socket IEC 60320 C13

Ord.No. **X00009832**

## Software

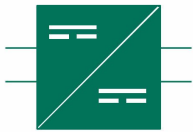


**CheckCon 4 inclusive WIBU-Key**

Database based control and visualization software for Transformer Measuring Unit WM3000I/WM1000I and WM3000U/WM1000U incl. transformer type definition tables,

testing procedures, automatic evaluation based on predefined error limits, error compensation of reference transformer and recording of measured values.

Ord.No. **101422601**



**DC measurement mode for WM3000I**

The Measuring Bridges for Current Transformers WM3000I will be upgraded to measure DC signals. Inclusive factory calibration.

Ord.No. **100078881**

## Transport (see also Special Accessories)



**Transport Case 1 with wheels for COM500x; WM3000; WM1000**

Ultra High Impact Copolymer Polypropylene case with inlet from rigid foam, designed for

- 1 Instrument
- Accessories

Overall dimensions:

80,8 cm x 58,7 cm x 48,4 cm (H x W x D)

*Please clarify whether the case size is suitable for the ordered accessories.*

Ord.No. **100023908**

## Standard Accessories (see also Special Accessories)



**Mouse Dell MS111**

USB connection

Ord.No. **100847000**

**Connection Adapter CA500**

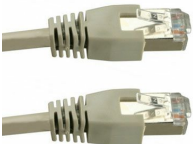
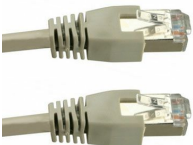
To connect EVT/ECTs according to IEC61869-7/8 or IEC60044-7/8 via Twin-BNC, BNC and RJ45. With selector switch 1 GOhm/2 MOhm and 10 pF/100 pF.

Ord.No. **101506000****Dell-Keyboard, (QWERTY)**

- USA/Europe keyboard layout
- USB connection

Ord.No. **100846600****Dell-Keyboard, (QWERTZ)**

- German keyboard layout
- USB connection

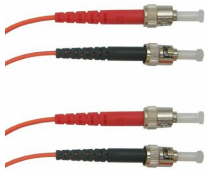
Ord.No. **100846700****Patch cable RJ45, 1 m**Ord.No. **100161606****Patch cable RJ45, 3 m**Ord.No. **100161607**

**Patch cable RJ45, 5 m**Ord.No. **100161603****Media converter 100Base-TX to 100Base-FX**

- RJ45 to fiber optic cable, multimode
- 71 x 26 x 94 mm
- with power supply

*Note when using with WM3000 / WM1000:*

You need two converters, two patch cables and one bipolar optical fibre cable for the connection to PC and WM3000 / WM1000.

Ord.No. **100720801****Optical fibre cable, 5 m, bipolar**

- OM2 fibre
- Colour: orange

Ord.No. **100720750****Cable lug  $\varnothing$  8,5 ; 35 mm<sup>2</sup>**Ord.No. **M00409062****Set - Fuse 4 A / time-lag Type  
10 pcs.**Ord.No. **101393700**

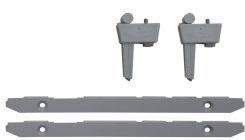
## Documentation



**Complete Documentation**  
as pdf files on USB flash drive

Ord.No. **100090716**

## Special Accessories (General)



**WM1000 / WM3000 Kit**  
Rebuild in desktop unit

Ord.No. **100783100**

## Readjustment (for Service)



**Adjustment of WM3000I**

Ord.No. **101049000**

*Note:* Calibration and Calibration report  
are not included.

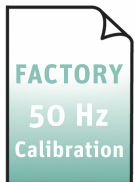


**Adjustment of WM1000I**

Ord.No. **101049002**

*Note:* Calibration and Calibration report  
are not included.

## Calibration (for Service)



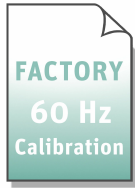
**Factory Calibration for WM3000I, 50 Hz**  
incl. ZERA calibration report.

Ord.No. **100519763**

**Load points according to ZERA regulations.**

Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.

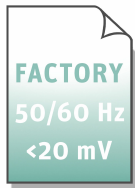


**Factory Calibration for WM3000I, 60 Hz**  
incl. ZERA calibration report.

Ord.No. **100519765**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.



**Factory Calibration of voltage range  
< 20 mV for WM3000I, 50 Hz / 60Hz**  
incl. ZERA calibration report.

Ord.No. **101242343**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

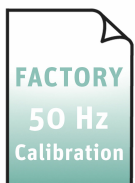


**Factory calibration of DC measurement mode  
for WM3000I**  
incl. ZERA calibration report.

Ord.No. **101242332**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.



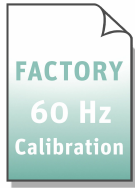
**Factory Calibration for WM1000I, 50 Hz**  
incl. ZERA calibration report.

Ord.No. **101045250**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.





**Factory Calibration for WM1000I, 60 Hz**  
incl. ZERA calibration report.

Ord.No. **101045251**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.

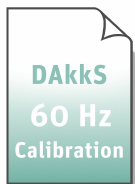


**DAkkS/DKD Calibration WM3000I, 50 Hz**  
for conventional instrument transformer (CTs) and  
sensors (ECTs) acc. IEC 61869-1, -2, -8  
(old IEC 60044-1, -8), incl. DAkkS/DKD calibration  
certificate acc. IEC 17025

Ord.No. **100519642**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.

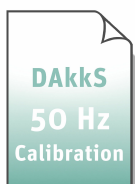


**DAkkS/DKD Calibration WM3000I, 60 Hz**  
for conventional instrument transformer (CTs) and sensors  
(ECTs) acc. IEC 61869-1, -2, -8 (old IEC 60044-1, -8)  
incl. DAkkS/DKD calibration certificate acc. IEC 17025.

Ord.No. **100519644**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.

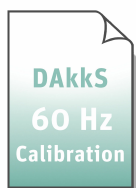


**DAkkS/DKD Calibration WM1000I, 50 Hz**  
for conventional instrument transformers (CTs)  
acc. IEC61869-1, -2 (old: IEC 60044-1)  
incl. DAkkS/DKD calibration certificate acc. IEC 17025

Ord.No. **101045350**

**Load points according to ZERA regulations.**  
Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.

**DAkks/DKD Calibration WM1000I, 60 Hz**

for conventional instrument transformers (CTs)  
acc. IEC61869-1, -2 (old: IEC 60044-1)  
incl. DAkks/DKD calibration certificate acc. IEC 17025

Ord.No. **101045351****Load points according to ZERA regulations.**

Summary of used load points  
can be downloaded at [www.zera.de](http://www.zera.de).

Additional load points are subject to charges.

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## Notes on using the product catalogue

When ordering, always state the order number.

Pictures can differ from original product.

We follow ZVEI terms of delivery, see on [www.zera.de](http://www.zera.de)