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**ZERA**

**WM3000I-WM1000I**  
**Product Catalogue**

Doc.No: 100352719  
Version from: 01.01.2023

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## Device



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

Ord.No. **101569600**

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 current transformer. The resulting error value will be displayed as ratio error and phase displacement on the screen. 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), ECTs (acc. IEC61869-8), LPCTs (acc. IEC61869-10) and digital information of non-conventional transformers (acc. IEC61850-9-2).

For further information, please see attached data sheet.



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

Ord.No. **101578600**

The Current Transformer Measuring Unit WM1000I is a high-precision comparator unit for comparing the secondary signal from transformer under test with a reference signal supplied by a standard current transformer.

The resulting error value will be displayed as ratio error and phase displacement on the screen. 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).

For further information, please see attached data sheet.

## Factory Calibration for New Instrument



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

Ord.No. **100519751**

*This article applies only for a purchase of a new device without a DAkkS-calibration.*

### 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 NEW WM3000I, 60 Hz**  
incl. ZERA calibration report.

Ord.No. **100519753**

*This article applies only for a purchase of a new device without a DAkkS-calibration.*

**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 NEW WM1000I, 50 Hz**  
incl. ZERA calibration report.

Ord.No. **101045200**

*This article applies only for a purchase of a new device without a DAkkS-calibration.*

**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.



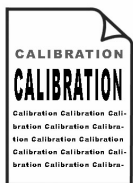
**Factory Calibration for NEW WM1000I, 60 Hz**  
incl. ZERA calibration report.

Ord.No. **101045201**

*This article applies only for a purchase of a new device without a DAkkS-calibration.*

**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.



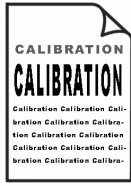
**Option: Factory Calibration of voltage range < 20 mV for new device WM3000I, 50 Hz / 60 Hz**  
incl. ZERA calibration report.

Ord.No. **101242341**

Load points according to ZERA regulations.

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

## DAkKS DKD-Calibration for Instrument



### 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.

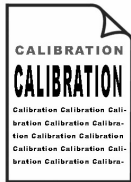
100519642

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.

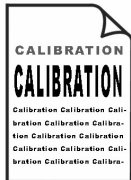
100519644

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.

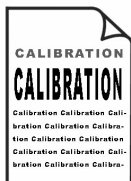
101045350

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.

## 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



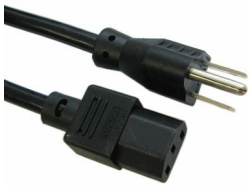
### Power cord "Plug type D (BS 546) to IEC 60320 C13", 1.8 m

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**

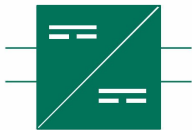
**Software**



**CheckCon 4**

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.

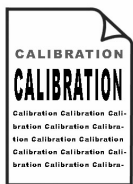
Ord.No. **100048564**



**Option: DC measurement mode for WM3000I**

The Measuring Bridges for Current Transformers WM3000I will be upgraded to measure DC signals as described in the technical data.

Ord.No. **100078881**



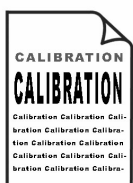
**Option: Factory Calibration of DC measurement mode for NEW WM3000I**

incl. ZERA calibration report.

Ord.No. **101242330**

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.



**Option: Factory Re-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.

## 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)

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 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-Tastatur, (QWERTY)

- USA/Europe keyboard layout
- USB connection

Ord.No. **100846600**



### Dell-Tastatur, (QWERTZ)

- German keyboard layout
- USB connection

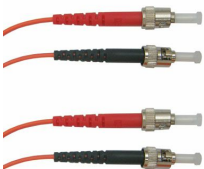
Ord.No. **100846700**

**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  $\phi 8,5$  ; 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 Stick**

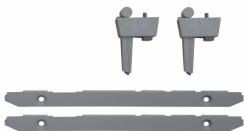
Ord.No. **100090716**



**Special Accessories (General)**

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

Ord.No. **100783100**



**Readjustment (only 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.

**Factory Calibration (only 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 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.

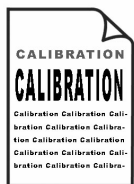


**Factory Calibration for WM1000I, 60 Hz**  
incl. ZERA calibration report.

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.



**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).

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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)