



---

**ZERA**

**WM3000U-WM1000U**  
**Product Catalogue**

Doc.No: 100352718  
Version from: 01.01.2023

---

---

## Device



### Voltage Transformer Measuring Unit WM3000U (19" Slip-in Unit)

The Voltage Transformer Measuring Unit WM3000U 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.

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 VTs (acc. IEC61869-1/3 and ANSI/IEEE C57.13), EVT's (acc. IEC61869-7), LPVT's (acc. IEC61869-11) and digital information of non-conventional transformers (acc. IEC61850-9-2).

For further information, please see attached data sheet.

Ord.No. **101562300**



### Voltage Transformer Measuring Unit WM1000U (19" Slip-in Unit)

The Voltage Transformer Measuring Unit WM1000U 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.

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 VTs (acc. IEC61869-1/3 and ANSI/IEEE C57.13).

For further information, please see attached data sheet.

Ord.No. **101575700**

## Factory Calibration for New Instrument



### Factory Calibration for NEW WM3000U, 50 Hz incl. ZERA calibration report.

Ord.No. **100519750**

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

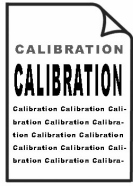
### Load points according to ZERA regulations.

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

Additional load points are subject to charges.



## DAkKS DKD-Calibration for Instrument



### DAkKS/DKD Calibration WM3000U, 50 Hz

for conventional instrument transformer (VTs) and sensors (EVTs)

acc. IEC 61869-1, -3, -7 (old: IEC 60044-2, -7)

incl. DAkKS/DKD calibration certificate acc. IEC 17025

Ord.No.

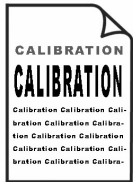
100519641

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 WM3000U, 60 Hz

for conventional instrument transformer (VTs) and sensors (EVTs)

acc. IEC 61869-1, -3, -7 (old: IEC 60044-2, -7)

incl. DAkKS/DKD calibration certificate acc. IEC 17025

Ord.No.

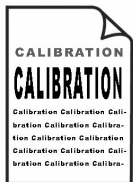
100519643

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 WM1000U, 50 Hz

for conventional instrument transformers (VTs)

acc. IEC 61869-1, -3 (old IEC 60044-2)

incl. DAkKS/DKD calibration certificate acc. IEC 17025

Ord.No.

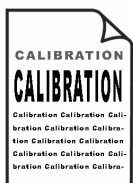
101045352

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 WM1000U, 60 Hz

for conventional instrument transformer (VTs)

acc. IEC 61869-1, -3 (old: IEC 60044-2)

incl. DAkKS/DKD calibration certificate acc. IEC 17025

Ord.No.

101045353

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



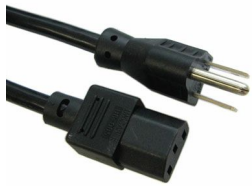
### Power cord "Plug type D (BS 546) to IEC 60320 C13", 1.8 m

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**

## Current and Voltage Cables (see also Special Accessories)



**Laboratory cable with stackable plug, black, 2.0 m**  
Measurement category III (CAT III).  
• 2x stackable 4 mm plugs with rigid insulating sleeve  
• Lead cross section: 2.5 qmm

Ord.No. **X00006910**



**Laboratory cable with stackable plug,  
yellow/green, 2.0 m**  
Measurement category III (CAT III).  
• 2x stackable 4 mm plugs with rigid insulating sleeve  
• Lead cross section: 2.5 qmm

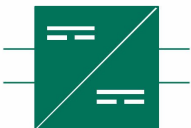
Ord.No. **100804900**

## Software



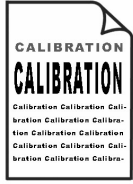
**CheckCon 4**  
Database based control and visualization software for  
Transformer Measuring Unit WM3000I/WM1000I and  
WM3000U/WM1000U incl. transformer type definition  
tables,  
testing procedures, automatic evaluation based on  
predefined error limits, error compensation of reference  
transformer and recording of measured values.

Ord.No. **100048564**



**Option: DC measurement mode for WM3000U**  
The Measuring Bridges for Voltage Transformers  
WM3000U will be upgraded to measure DC signals  
as described in the technical data.

Ord.No. **100078880**



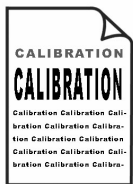
**Option: Factory Calibration of DC measurement mode for NEW WM3000U**

incl. ZERA calibration report.

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.

Ord.No. **101242331**



**Option: Factory Re-Calibration of DC measurement mode for WM3000U**

incl. ZERA calibration report.

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.

Ord.No. **101242333**

## 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**



**Set - Fuse 1,6 A / time-lag Type**  
 10 pcs.

Ord.No. **101393500**

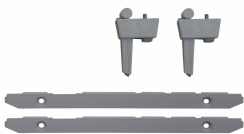
**Documentation**



**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 WM3000U**

Ord.No. **101049001**

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



**Adjustment of WM1000U**

Ord.No. **101049003**

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

**Factory Calibration (only for Service)**



**Factory Calibration for WM3000U, 50 Hz**  
incl. ZERA calibration report.

Ord.No. **100519762**

**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 WM3000U, 60 Hz**  
incl. ZERA calibration report.

Ord.No. **100519764**

**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 WM1000U, 50 Hz**  
incl. ZERA calibration report.

Ord.No. **101045252**

**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.

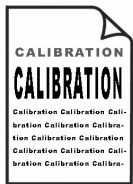


**Factory Calibration for WM1000U, 60 Hz**  
incl. ZERA calibration report.

Ord.No. **101045253**

**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 WM3000U, 50 Hz / 60 Hz**  
incl. ZERA calibration report.

Ord.No. **101242344**

Load points according to ZERA regulations.

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

---

ZERA GmbH  
Humboldtstrasse 2a  
D-53639 Koenigswinter  
Phone: +49 (0)2244 9277-0  
E-Mail: [zera@zera.de](mailto:zera@zera.de)  
Internet: [www.zera.de](http://www.zera.de)  
Managing Director: Horst Wächter  
Headquarter: Königswinter

---

Commerzbank Bonn  
IBAN: DE29 3804 0007 0113 3131 00  
SWIFT (BIC): COBADEFF380

Kreissparkasse Köln  
IBAN: DE15 3705 0299 0001 0784 92  
SWIFT (BIC): COKSDE33

HRB 7073 Siegburg  
VAT-IdNo. DE 218 515 479  
WEEE-Reg.Nr. DE 53879641

---

## 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)