



MT68xs

Product Catalogue

Doc.No: 100352722 Version from: 01.01.2023

Device MT680s Single Phase Test System Ord.No. 101364301 Inclusive adjustment for one mains frequency. MT680s consists a reference meter and a current source integrated in one device. Test voltage will be measured at mains on site. Test current will be injected by the test system. or measured at mains on-site as application of test system without source. MT680s is designed for testing of max. 1 test specimen. Configuration: Direct current measurement up to 500 V / 120 A Accuracy for power/energy measurement: < ±0.1 % 1~ phase current generation up to 120 A (AC) MT686s Single Phase Test System Ord.No. 101358900 Inclusive adjustment for one mains frequency. MT686s consists a reference meter and a current source integrated in one device. Test voltage will be measured at mains on site. Test current will be injected by the test system. or measured at mains on-site as application of test system without source. MT686s is designed for testing of max. 1 test specimen. Configuration: Direct current measurement up to 500 V / 120 A Accuracy for power/energy measurement: < ±0.05 % • 1~ phase current generation up to 120 A (AC) Factory Calibration for New Instrument Factory Calibration for NEW MT68xs, 50 Hz Ord.No. 100519728 incl. ZERA calibration report. CALIBRATION 50Hz This article applies only for a purchase of new device. Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de. Additional load points are subject to charges.

	Factory Calibration for NEW MT68xs, 60 Hz		
	incl. ZERA calibration report.	Ord.No.	100519729
60Hz Calibration Calibration Calibration Calibration Calibration Calibration	This article applies only for a purchase of new device.		
tion Collibration Calibration Calibration Calibration Calibration bration Calibration Calibra-	Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de.		
	Additional load points are subject to charges.		
	Factory Calibration	Ord.No.	100007093
CALIBRATION	for instrument, each additional load point for power and energy	ordino.	100007000
CALIBRATION Eativation Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration			
	Factory Calibration		
CALIBRATION CALIBRATION Ealibratic Calibration Calibration Calibration Time Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	for instrument, each additional load point for current and/or voltage	Ord.No.	100007094
DAkkS DKD-Cali	bration for Instrument		
	DALLS DKD Collibration for MTCOVE 50.1-		
	DAkkS DKD-Calibration for MT68xs, 50 Hz incl. DKD-Calibration Certificate acc. IEC 17025	Ord.No.	100519630
CALIBRATION 500Hz Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	Load points for the reference meter according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de.		

Additional load points are subject to charges.

	DAkkS DKD-Calibration for MT68xs, 60 Hz	Ord.No. 100519631
CALIBRATION 60Hz Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration C	incl. DKD-Calibration Certificate acc. IEC 17025 Load points for the reference meter according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de.	
	Additional load points are subject to charges.	
CALIBRATION CALIBRATION Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	DAkkS DKD-Calibration (acc. IEC 17025) for instrument, each additional load point for power and energy	Ord.No. 100006893
CALIBRATION CALIBRATION Calibration Calibration Calibration United Calibration Calibration United Calibration Calibration Calibration Calibration Calibration Calibration	DAkkS DKD-Calibration (acc. IEC 17025) for instrument, each additional load point for current / voltage	Ord.No. 100006894
Power Cords		
	 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

• 1x socket IEC 60320 C13

X00009832

M00481006

100929900



Power cord "Plug type G (BS 1363) to IEC 60320 C13", 2.5 m Ord.No. For supply via power socket. 1x Plug type G (BS 1363) • 1x socket IEC 60320 C13 1x socket IEC 60320 C13 Power cord "Class I grounded plug type E/F to IEC 60320 C13", 2.5 m Ord.No. For supply via power socket. • 1x class I grounded plug type E/F (CEE 7/7), straight • 1x socket IEC 60320 C13 • 1x socket IEC 60320 C13

3
3
3

 to IEC 60320 C13", 2,5 m For supply via test voltage. 3x stackable, spring-loaded 4 mm plugs with rigid insulating sleeve (1x black, 1x blue, 1x yellow/green) 1x socket IEC 60320 C13 	Ord.No.	100067609
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



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**

Ord.No.

Subject to change without notice.

Current Clampe	(see also Special Accessories)		
Current Clamps	(see also Special Accessories)		
	MT3461, AC current clamp 120 A Electronically compensated, calibration independent from the instrument. • Clamping diameter: 16 mm • Output: D-Sub plug 25-pin • Measuring range: 5 mA 120 A • Error of measurement: $< \pm 0.15\% / < 0.1^{\circ} (500 \text{ mA} 120 \text{ A})$ $< \pm 0.3\% / < 0.1^{\circ} (500 \text{ mA} 500 \text{ mA})$ $< \pm 0.6\% / < 0.1^{\circ} (100 \text{ mA} 500 \text{ mA})$ • Frequency range: 45 65 Hz • Measuring Category: CAT IV 300 V /CAT III 600 V	Ord.No.	101241502
Factory Calibrat	ion for NEW Current Clamps		
CALIBRATION 500Hz Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	 Factory Calibration for NEW MT3461, 50 Hz incl. ZERA calibration report. This article applies only for a purchase of new device. Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de. Additional load points are subject to charges. 	Ord.No.	101242300
CALIBRATION 60Hz Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	 Factory Calibration for NEW MT3461, 60 Hz incl. ZERA calibration report. This article applies only for a purchase of new device. Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de. 	Ord.No.	101242301
CALIBRATION CALIBRATION Calibration Calibration Calibration	Additional load points are subject to charges. Factory Calibration for current clamps, each additional load point for for power and energy	Ord.No.	100007092

Calibration Calibration Cali bration Calibration Calibra-tion Calibration Calibration Calibration Calibration Cali bration Calibration Calibra-

kS Calibra	tion for Current Clamps		
CALIBRATION	DAkkS DKD-Calibration for MT3461, 50 Hz incl. DKD-Calibration Certificate acc. IEC 17025	Ord.No.	101173910
CALIBRATION 500H2 Calibration Calibration Calibra- tion Calibration Calibra- tion Calibration Calibra- Calibration Calibration Calibration Varian Calibration Calibration	Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de.		
	Additional load points are subject to charges.		
	DAkkS DKD-Calibration for MT3461, 60 Hz incl. DKD-Calibration Certificate acc. IEC 17025	Ord.No.	10117391 [,]
CALIBRATION 60Hz Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de.		
	Additional load points are subject to charges.		
CALIBRATION CALIBRATION CALIBRATION Calibration Coloratio Coloration Colorati	DAkkS DKD-Calibration (acc. IEC 17025) for current clamps, each additional load point for power and energy	Ord.No.	10000689
rent and Vo	Itage Cables (see also Special Accessories)		
	Quick connection cable for voltage/current and power supply, 2.5 m, phase colours: red/black For preventing connection faults on the instrument side and providing an easy and safe mains supply for MT68xs via test voltage. The quick connector plug consist also fuses to fulfill requirements of (CAT IV), an additional power connection box (100413250) is not applicable anymore.	Ord.No.	100983710
	 Instrument's side: 1x quick connector plug for voltage and current connection with attached power supply socket IEC 60320 C13. Mains side: 2x current cables with bended 4-mm- pin; 2x 4-mm- plugs for phase and neutral connection; 1x stackable 4-mm- plug (yellow/green) with 3.5 m length for grounding. For max. 120 A 		

ZERA

 Laboratory cable with stackable plug, red, 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.	X00007597
 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
 Current cable up to 120 A, on double-side socket, 2.0 m, 2x 6 mm socket Lead cross section: 35 qmm Phase colours: Please specify the colour code when ordering. The cables will get a corresponding coloured marking. 21=black, 22=red, 23=blue, 24= yellow, 25=green, 26=violet, 27=brown, 28=grey, 29=white xx please select the colour 	Ord.No.	1011979xx
 Plug-in Adapter Pin 3 mm For meter connection via terminal, realised as brass silver plated. The two sides of the pin has different diameters and functions. 1 Side 6 mm pin for test leads 1 Side 3 mm-pin for meter terminals The 6 mm pin is special designed for ZERA 6 mm 	Ord.No.	Z10120115

The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads.

Concession of the local division of the loca

ZERA

 Plug-in Adapter Pin 4,2 mm For meter connection via terminal, realised as brass silver plated. The two sides of the pin has different diameters and functions. 1 Side 6 mm pin for test leads 1 Side 4,2 mm-pin for meter terminals The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads. 	Ord.No.	Z10120112
 Plug-in Adapter Pin 5,5 mm For meter connection via terminal, realised as brass silver plated. The two sides of the pin has different diameters and functions. 1 Side 6 mm pin for test leads 1 Side 5,5 mm-pin for meter terminals The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads. 	Ord.No.	Z10120108
 Plug-in Adapter Pin 6 mm The adapter is realized in brass silver plated. The two sides of the pin have the same dimensions (6 mm) and are special designed for ZERA 6 mm socket system used with current test leads and/or connection to modern ZERA meter test system (MTS).	Ord.No.	Z10120109
 Plug-in Adapter cable lug 8,5 mm closed For current connection via screw terminals, realised as brass silver plated. The two sides of the pin has different connectors and functions. 1 Side 6 mm pin for test leads 1 Side 8,5 mm-cable lug closed in for screw 	Ord.No.	100640906

terminals

The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads.

	 Plug-in Adapter cable lug 10,5 mm closed For current connection via screw terminals, realised as brass silver plated. The two sides of the pin has different connectors and functions. 1 Side 6 mm pin for test leads 1 Side 10,5 mm-cable lug closed in for screw terminals The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads. 	Ord.No.	100640907
Software			
	 Software SSM3000 / MTVis The software runs under Windows 7 or 10. SSM3000: For external control via PC. MTVis: To readout and display saved data. The software can be downloaded at www.zera.de. 	Ord.No.	100090720
Particles Dirichless Dirichless <thdirichless< th=""> Dirichless Dirichles</thdirichless<>	 Software Option for Curve Definition Software module for generation of harmonic signals: Current up to 40th max. amplitude 40% from fundamental The module included also defining of programmable wave forms in current line. 	Ord.No.	100078841
	Software option for selective power measurement MT681/MT680s/MT78x/MT36x To determine and display active, reactive and apparent power on each harmonic value up to 40 th .	Ord.No.	100078860
Impulse Sensor (s	ee also Special Accessories)		
	TK118, scanning head	a	



For detection of LED signals of electronic meters.

100201900 Ord.No.

Fixing: Via provided suction cup or via optionally available stretchable holding device for scanning heads TK326/TK118.

101064901



TK326-1, scanning head without holding device For detection of rotor disc markings on Ferraris meters and LED signals on electronic meters. Fixing: Via stretchable holding device for scanning heads

TK326/TK118.



Holding device for scanning head TK326/ TK118Ord.No.100319600Stretchable holding device to fix the scanning head TK326Ord.No.100319600or TK118 at the electricity meter.• Maximum wingspan: 19.0 cm.• Maximum wingspan: 19.0 cm.



K121, S0 pulse converter with measuring leads		
For pulse detection of floating contacts as well as of S0 pulse output on electricity meters. Including two laboratory cables with safety plug/connection pin.	Ord.No.	100004210

July 1

Connection cable for scanning head input (SC) on ZERA instruments with RJ10 socket	Ord.No.	Z10353027
The spiral cable connects TKxxx and K121 to the instrument.		
 2x Modular connector RJ10 Length: 1.00 m / expanded: 6.00 m 		



ZZ8636 Start-stop pushbutton for signal entry
The start-stop pushbutton is used for manual signal
entry when testing electricity meters.

Ord.No. **101091620**

Connectors (see also Special Accessories)



Accessories bag with connection a	dapters		
01 Accessories bag	100214400	Ord.No.	100023736
01 Spring clip	100606750		
02 4 mm plug adapter (banana plug)	X00004962		
02 Adapter for terminal blocks	101584400		
04 Connecting terminals for current	X00011923		
01 4 mm test clips	X00009329		
(crocodile clips), slim			
01 4 mm test clips	X00010059		
(crocodile clips), wide			
10 Fuse, 3.15 A,	M00460525		
5 mm x 20 mm, time-lag			

Transport (see also Special Accessories)



Accessories case

Aluminum case with inlet from rigid foam, designed for	Ord.No.	X00004823
Test leads		
 Scanning head 		
Current clamps		
• Etc.		
Overall dimensions: 42 cm x 50 cm × 16 cm (H x W x D)		

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

Standard Accessories (see also Special Accessories)



USB-Stick

Ord.No. 101198310 To store customer data and measuring values. Provides easy data transfer from the instrument to the PC.

Ord.No.

X00010844



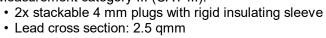
Interface cable, RS232, crossed wired (null modem cable)	
Connection cable	
 2x D-Sub socket, 9-pin 	

· Cable length: 3.00 m

Documentation Complete documentation as pdf files on USB Stick Ord.No. 100090716 **Special Accessories** Power cord with protective earth "stackable safety plug Ord.No. 100067610 to IEC 60320 C13", 2,5 m For supply via test voltage. • 3x stackable, spring-loaded 4 mm plugs with rigid insulating sleeve (1x brown, 1x blue, 1x yellow/green) • 1x socket IEC 60320 C13 Power cord with protective earth "stackable safety plug Ord.No. 100067611 to IEC 60320 C13", 2,5 m For supply via test voltage. 3x stackable, spring-loaded 4 mm plugs with rigid insulating sleeve (1x red, 1x black, 1x yellow/green) • 1x socket IEC 60320 C13 Special Accessories (Current and Voltage Cables) Quick connection cable for voltage/current and Ord.No. 100983700 power supply, 2.5 m, phase colours: red/green For preventing connection faults on the instrument side and providing an easy and safe mains supply for MT68xs via test voltage. The quick connector plug consist also fuses to fulfill requirements of (CAT IV). Instrument's side: 1x quick connector plug for voltage and current connection with attached power supply socket IEC 60320 C13. Mains side: 2x current cables with bended 4-mm- pin; 2x stackable 4-mm- plugs for phase and neutral connection; 1x stackable 4-mm- plug (yellow/green) with 3.5 m length for grounding. • For max. 60 A

ZERA

	 Laboratory cable with stackable plug, violet, 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. X00006909
	 Laboratory cable with stackable plug, 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. X00006908
3	Laboratory cable with stackable plug, brown, 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. 100414100
3	Laboratory cable with stackable plug, grey, 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. 100739800
	Laboratory cable with stackable plug, white, 2.0 m Measurement category III (CAT III).	Ord.No. 100662500



Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar
 Emiliar

ZERA

	Laboratory cable with stackable plug, yellow, 2.0 m		
3	 Measurement category III (CAT III). 2x stackable 4 mm plugs with rigid insulating sleeve 	Ord.No.	X00006907
	• Lead cross section: 2.5 qmm		
	Laboratory cable with stackable plug, blue, 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.	X00007598
\sim	Quick connection cable for voltage/current and	Ord.No.	100983731
	power supply, 2.5 m, phase colours: red/green For preventing connection faults on the instrument side and providing an easy and safe mains supply for MT680s via test voltage. The quick connector plug consist also fuses to fulfill requirements of (CAT IV), an additional power connection box (100413250) is not applicable anymore.	ordino.	100903731
	 Instrument's side: 1x quick connector plug for voltage and current connection with attached power supply socket IEC 60320 C13. Mains side: 2x current cables with bended 4-mm- pin; 2x 4-mm- plugs for phase and neutral connection; 1x stackable 4-mm- plug (yellow/green) with 3.5 m length for grounding. For max. 60 A with Temperature sensor MT3450 		
Special Accesso	ries (Connectors)		
	 Connecting terminals for current Isulating screw joint for flexible wire connection max cable size 1.5 16 mm² 	Ord.No.	X00011923



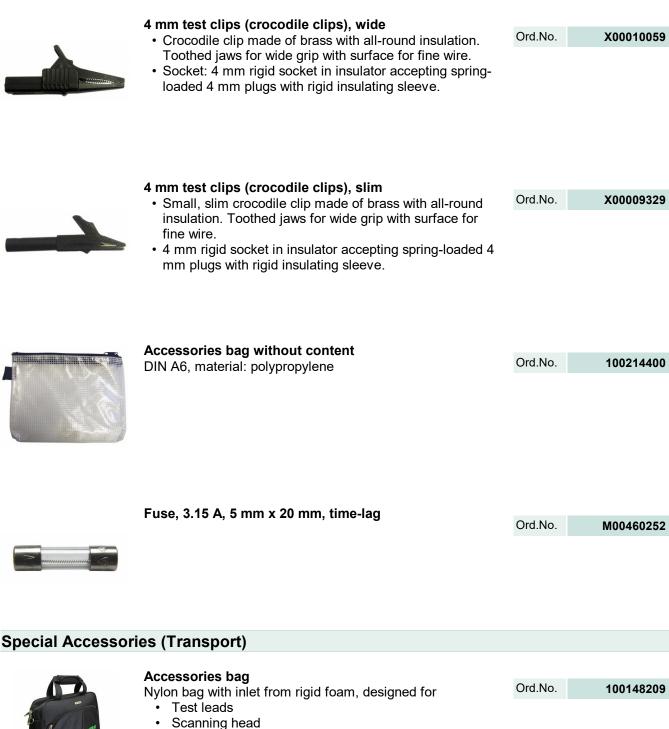
max cable size 1,5 ... 16 mm²
Socket: 4 mm rigid socket in insulator accepting spring-loaded 4 mm plugs with rigid insulating sleeve.

	 Adapter for terminal blocks Connection via insulated flexible copper conductor. Socket: 4 mm rigid socket in insulator, made of brass, accepting spring-loaded 4 mm plugs with rigid insulating sleeve. 	Ord.No.	X00004961
	 4 mm plug adapter (banana plug) Plug: 4 mm spring-loaded plug, made of brass. Socket: 4 mm rigid socket in insulator accepting spring-loaded 4 mm plugs with rigid insulating sleeve. 	Ord.No.	X00004962
	 4 mm cable lug adapters Cable lug adapter, made of brass for permanent installation, e. g. for connecting screw terminals. Socket: 4 mm rigid socket in insulator accepting spring-loaded 4 mm plugs with rigid insulating sleeve. 	Ord.No.	X00004963
~~	 Spring clip Connection via spring clip. Socket: spring-loaded 4 mm plugs with rigid insulating sleeve. 	Ord.No.	100606750
	 Test plugs for terminal blocks Plug: 4 mm test plug, made of brass with spring-loaded plug for connecting into rail mounted terminals with 4 mm sockets. Socket: 4 mm rigid socket in insulator accepting spring-loaded 4 mm plugs with rigid insulating sleeve. 	Ord.No.	100102400





and the second second



- Current clamps
- Etc.

Overall dimensions: 41 cm x 31 cm × 16 cm (H x W x D)

Please clarify whether the bag size is suitable for the ordered accessories.





Nylon bag

Nylon bag for transport of accessories. With smooth-rolling Ord.No. **100148203** wheels and telescopic handle.

• Dimensions: H 490 mm × W 420 mm × D 250 mm

Please clarify whether the bag size is suitable for the ordered accessories.

Special Accessories (General)

Adapter "USB to RS232" (32/64 bit), 1.5 m For use with an external PC/Notebook (32/64 bit)	Ord.No.	10142180
with WINDOWS OS (7, 8, 10).		



Temperature sensor MT3450
Temperature sensor can be used for measuring of the
ambient temperature on site.Ord.No.100904000The temperature value will be displayed and stored inside
the MT device
Temperature range: -20° C ... +60° C (± 1° C)
Resolution: 0,1° C
Cable length: 3 mOrd.No.100904000

Readjustment (only for Service)

	\mathbb{A}
1	ADJUSTMENT
1	Adjustment
٨	djustment Adjustment Ad-
<u>ا ا</u>	istment Adjustment Adjust-
	ent Adjustment Adjusment diustment Adjustment Ad-
	ajustment Adjustment Adjust-

Adjustment of MT68xs	Ord.No.	100033896
<i>Note:</i> Calibration and Calibration report are not included.		

	\square
AD	JUSTMENT
Ad	justment
Adjus	tment Adjustment Ad-
justm	ent Adjustment Adjust-
ment.	Adjustment Adjusment
	tment Adjustment Ad-
iustm	ent Adjustment Adjust-

Adjustment of current clamp MT3431		
	Ord.No.	100033855
<i>Note:</i> Calibration and Calibration report are not included.		

Factory Calibra	tion (only for Service)		
CALIBRATION 500Hz Calibrates Calibration Cali- bration Calibration Calibration Calibratics Calibration Calibration Calibration Calibration Calibration	 Factory Calibration for MT68xs, 50 Hz incl. ZERA calibration report. Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de. Additional load points are subject to charges. 	Ord.No.	100519730
CALIBRATION 600H2 Calibrate a cilibrate a Cilibrate trates a cilibrate a Cilibrate Calibrate a Cilibrate Calibrate Calibrate a Cilibrate Calibra	 Factory Calibration for MT68xs, 60 Hz incl. ZERA calibration report. Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de. Additional load points are subject to charges. 	Ord.No.	100519731
CALIBRATION CALIBRATION CALIBRATION Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	Factory Calibration for instrument, each additional load point for power and energy	Ord.No.	100007093
CALIBRATION CALIBRATION CALIBRATION Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration	Factory Calibration for instrument, each additional load point for current and/or voltage	Ord.No.	100007094
CALIBRATION 50HZ Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus Calibratus	Factory Calibration for MT3461 50Hz incl. ZERA calibration report. <i>This article applies only for a purchase of new device.</i> Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de.	Ord.No.	101242306

Additional load points are subject to charges.

101242307

		1	7
CAL	BRA	TIO	N
6	0 H	łz	:
Calibrati			
bration C			
tion Cali			
Calibrati			
	alibratio		

Factory Calibration for MT3461 60Hz incl. ZERA calibration report.	Ord.No.
This article applies only for a purchase of new device.	
Load points according to ZERA regulations. Summary of used load points can be downloaded at www.zera.de.	

Additional load points are subject to charges.



Factory Calibration for current clamps, each additional load point for for power and energy

Ord.No. **100007092**



ZERA GmbH Humboldtstrasse 2a D-53639 Koenigswinter Phone: +49 (0)2244 9277-0 E-Mail: zera@zera.de Internet: 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