

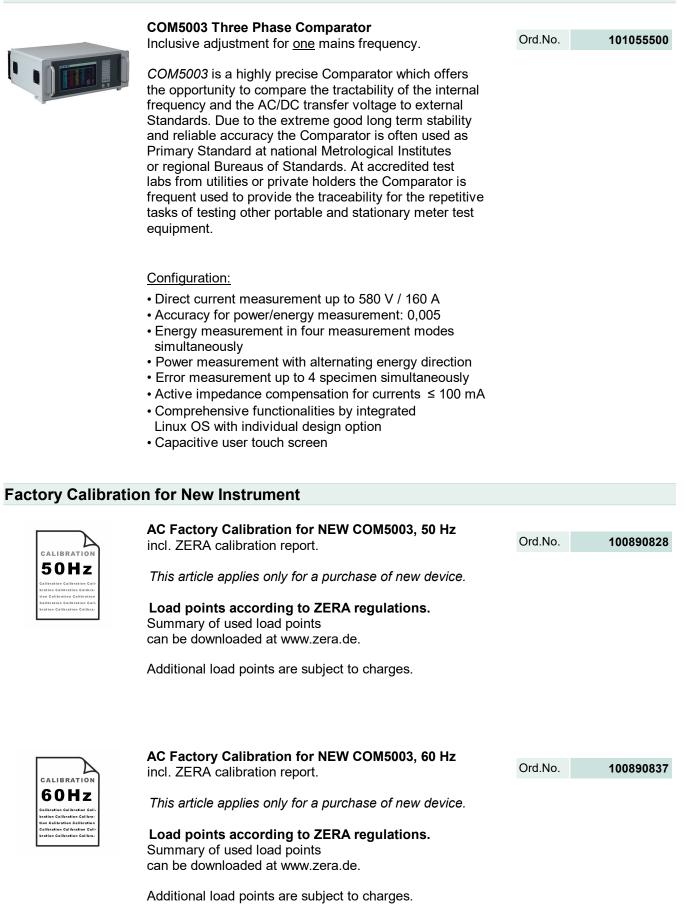


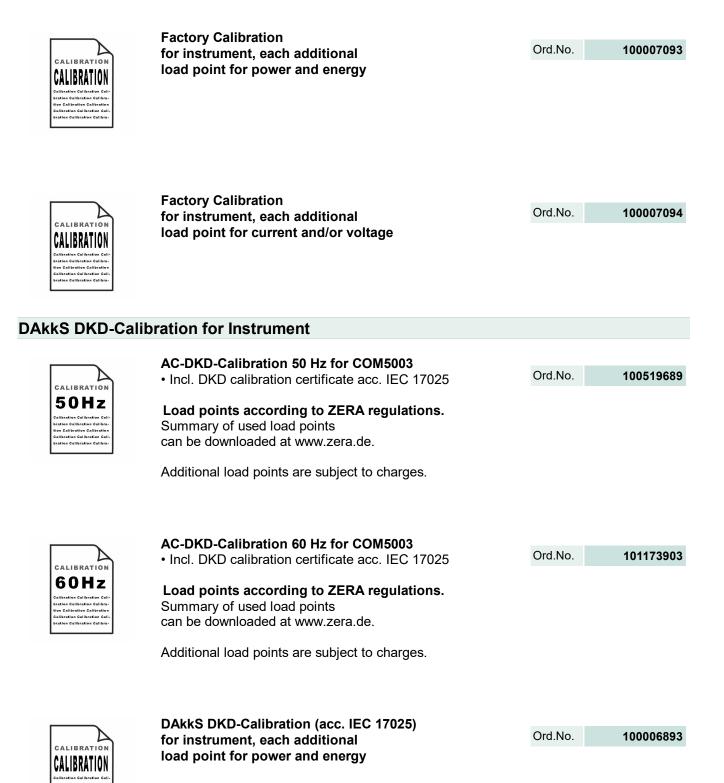
# COM5003

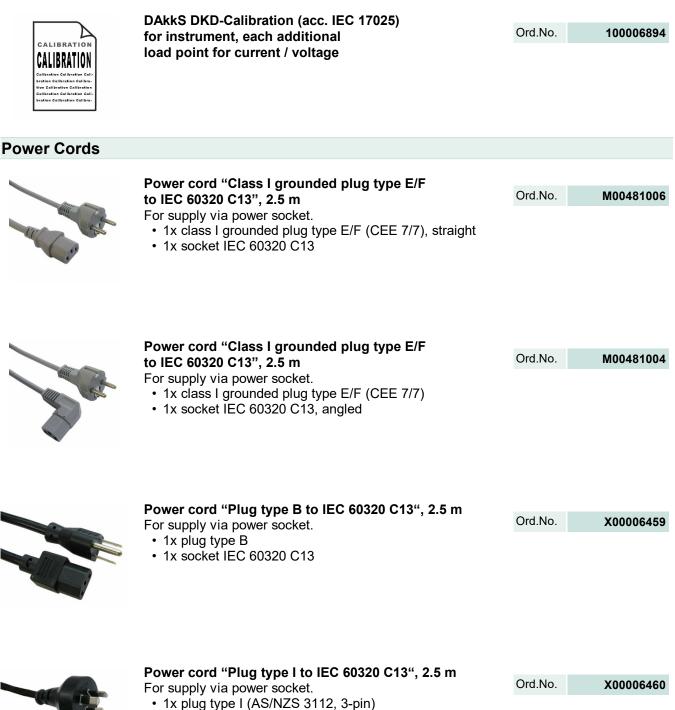
**Product Catalogue** 

Doc.No: 100352729 Version from: 01.07.2022

#### Device







• 1x socket IEC 60320 C13

	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
	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 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
Current and Volta	age Cables (see also Special Accessories)		
	<ul> <li>Laboratory cable with stackable plug, red, 2.0 m</li> <li>Measurement category III (CAT III).</li> <li>2x stackable 4 mm plugs with rigid insulating sleeve</li> <li>Lead cross section: 2.5 qmm</li> </ul>	Ord.No.	X00007597
	Laboratory cable with stackable plug, yellow, 2.0 m Measurement category III (CAT III).	Ord.No.	X00006907

2x stackable 4 mm plugs with rigid insulating sleeve
Lead cross section: 2.5 qmm

# ZERA

<ul> <li>Laboratory cable with stackable plug, blue, 2.0 m</li> <li>Measurement category III (CAT III).</li> <li>2x stackable 4 mm plugs with rigid insulating sleeve</li> <li>Lead cross section: 2.5 qmm</li> </ul>	Ord.No.	X00007598
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
<ul> <li>Current cable up to 160 A, 2.0 m,</li> <li>1x 8 mm socket</li> <li>1x 10,5 mm cable lug</li> <li>Lead cross section: 50 qmm</li> <li>Phase colours: Please specify the colour code when ordering. The cables will get a corresponding coloured marking.</li> <li>21=black, 22=red, 23=blue, 24= yellow, 25=green, 26=violet, 27=brown, 28=grey, 29=white</li> <li>xx please select the colour</li> </ul>	Ord.No.	1011942xx
Connection-Adapter (8,5mm lug) Lockable adapter plug to connect cables with cable lugs to the 8 mm plug system of the instrument. Designed as • 8 mm plug • 8,5 mm screw terminal	Ord.No.	101027920

For each phase 1 adapter is required.

THE SECRET	Connection-Adapter (6 / 4 mm plug system) Lockable adapter plug to connect cables via 6 / 4 mm plugs the instrument. Designed as • 8 mm plug • 6 / 4 mm socket system For each phase 2 adapters are required.	Ord.No.	101155610
	<ul> <li>Current cable up to 120 A, on double-side socket, 2.0 m,</li> <li>2x 6 mm socket</li> <li>Lead cross section: 35 qmm</li> <li>Phase colours: Please specify the colour code when ordering. The cables will get a corresponding coloured marking.</li> <li>21=black, 22=red, 23=blue, 24= yellow, 25=green, 26=violet, 27=brown, 28=grey, 29=white</li> <li>xx please select the colour</li> </ul>	Ord.No.	1011979xx
	<ul> <li>Plug-in Adapter Pin 3 mm</li> <li>For meter connection via terminal, realised as brass silver plated.</li> <li>The two sides of the pin has different diameters and functions.</li> <li>1 Side 6 mm pin for test leads</li> <li>1 Side 3 mm-pin for meter terminals</li> <li>The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads.</li> </ul>	Ord.No.	Z10120115
	<ul> <li>Plug-in Adapter Pin 4,2 mm</li> <li>For meter connection via terminal, realised as brass silver plated.</li> <li>The two sides of the pin has different diameters and functions.</li> <li>1 Side 6 mm pin for test leads</li> <li>1 Side 4,2 mm-pin for meter terminals</li> <li>The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads.</li> </ul>	Ord.No.	Z10120112

-----

Plug-in Adapter Pin 5,5 mm		
 <ul> <li>For meter connection via terminal, realised as brass silver plated.</li> <li>The two sides of the pin has different diameters and functions.</li> <li>1 Side 6 mm pin for test leads</li> <li>1 Side 5,5 mm-pin for meter terminals</li> <li>The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads.</li> </ul>		Z10120108
<b>Plug-in Adapter Pin 6 mm</b> 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
<ul> <li>Plug-in Adapter cable lug 8,5 mm closed</li> <li>For current connection via screw terminals, realised as brass silver plated. The two sides of the pin has different connectors and functions.</li> <li>1 Side 6 mm pin for test leads</li> <li>1 Side 8,5 mm-cable lug closed in for screw terminals</li> <li>The 6 mm pin is special designed for ZERA 6 mm socket system used with current test leads.</li> </ul>	Ord.No.	100640906
<ul> <li>Plug-in Adapter cable lug 10,5 mm closed</li> <li>For current connection via screw terminals, realised as brass silver plated. The two sides of the pin has different connectors and functions.</li> <li>1 Side 6 mm pin for test leads</li> <li>1 Side 10,5 mm-cable lug closed in for screw terminals</li> </ul>	Ord.No.	100640907

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

	<ul> <li>Current cable up to 120 A, double-side socket, 1.0 m, for connection between source and reference meter.</li> <li>2x 6 mm socket</li> <li>Lead cross section: 35 qmm</li> <li>Phase colours: Please specify the colour code when ordering. The cables will get a corresponding coloured marking.</li> <li>21=black, 22=red, 23=blue, 24= yellow, 25=green, 26=violet, 27=brown, 28=grey, 29=white</li> <li>xx please select the colour</li> </ul>	Ord.No.	1012006xx
Impulse Sensor (	see also Special Accessories)		
ZERA TKIIB-D5 100201900 on LED	<ul> <li>TK118, scanning head</li> <li>For detection of LED signals of electronic meters.</li> <li>Fixing: Via provided suction cup or via optionally available stretchable holding device for scanning heads TK326/TK118.</li> </ul>	Ord.No.	100201900
	<ul> <li>TK326-1, scanning head without holding device</li> <li>For detection of rotor disc markings on Ferraris meters and LED signals on electronic meters.</li> <li>Fixing: Via stretchable holding device for scanning heads TK326/TK118.</li> </ul>	Ord.No.	101064901
	Holding device for scanning head TK326/ TK118 Stretchable holding device to fix the scanning head TK326 or TK118 at the electricity meter. • Maximum wingspan: 19.0 cm.	Ord.No.	100319600
	Connection cable for scanning head input (SC) on ZERA instruments with RJ10 socket The spiral cable connects TKxxx and K121 to the instrument. • 2x Modular connector RJ10 • Length: 1.00 m / expanded: 6.00 m	Ord.No.	Z10353027

01 Accessories bag	100214400	Ord.No.	100023743
04 Spring clip	100606750		
10 Adapter for terminal blocks	101584400		
06 Adapter with cable lug	X00004963		
04 4-mm test clips (crocodile clips), slim	X00009329		
06 4-mm test clips (crocodile clips), wide	X00010059		
10 Fuse, 3.15 A 5 mm x 20 mm, time-lag	M00460252		

#### Transport (see also Special Accessories)



Transport Case 1 with wheels for COM5003; WM3000; WM1000	Ord.No.	
<ul> <li>Ultra High Impact Copolymer Polypropylene case with inlet from rigid foam, designed for <ul> <li>1 Instrument</li> <li>Accessories</li> </ul> </li> <li>Overall dimensions: 80,8 cm x 58,7 cm × 48,4 cm (H x W x D)</li> </ul>		

#### Standard Accessories (see also Special Accessories)



Patch cable RJ45, 1 m

Ord.No.

100161606

100023908



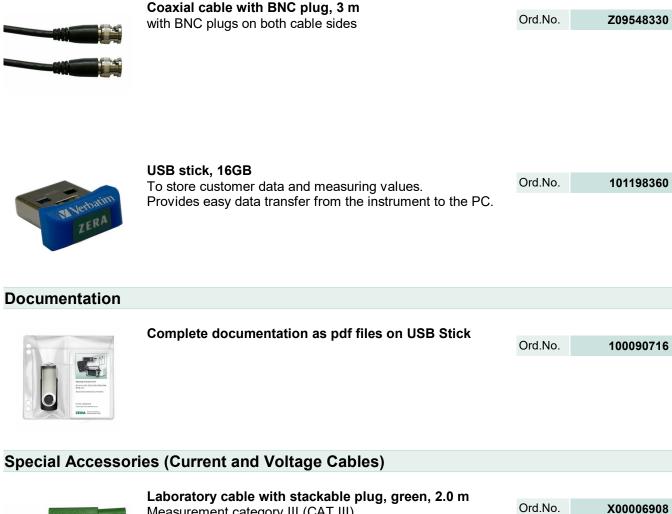
Patch cable RJ45, 3 m

Ord.No. 100161607



Patch cable RJ45, 5 m

Ord.No. 100161603



Laboratory cable with stackable plug, green, 2.0 mOrd.No.X0Measurement category III (CAT III).• 2x stackable 4 mm plugs with rigid insulating sleeve• Lead cross section: 2.5 qmm



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

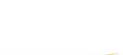
Ord.No. **X00006909** 

	<ul> <li>Laboratory cable with stackable plug, brown, 2.0 m</li> <li>Measurement category III (CAT III).</li> <li>2x stackable 4 mm plugs with rigid insulating sleeve</li> <li>Lead cross section: 2.5 qmm</li> </ul>	Ord.No.	100414100
	<ul> <li>Laboratory cable with stackable plug, grey, 2.0 m</li> <li>Measurement category III (CAT III).</li> <li>2x stackable 4 mm plugs with rigid insulating sleeve</li> <li>Lead cross section: 2.5 qmm</li> </ul>	Ord.No.	100739800
	<ul> <li>Laboratory cable with stackable plug, white, 2.0 m</li> <li>Measurement category III (CAT III).</li> <li>2x stackable 4 mm plugs with rigid insulating sleeve</li> <li>Lead cross section: 2.5 qmm</li> </ul>	Ord.No.	100662500
Special Accessor	ries (Connectors)		
	Cable bridge, black, 0.25 m	Ord.No.	X00003092
	<ul> <li>Connecting terminals for current</li> <li>Isulating screw joint for flexible wire connection max cable size 1,5 16 mm<sup>2</sup></li> <li>Socket: 4 mm rigid socket in insulator accepting spring-loaded 4 mm plugs with rigid insulating sleeve.</li> </ul>	Ord.No.	X00011923

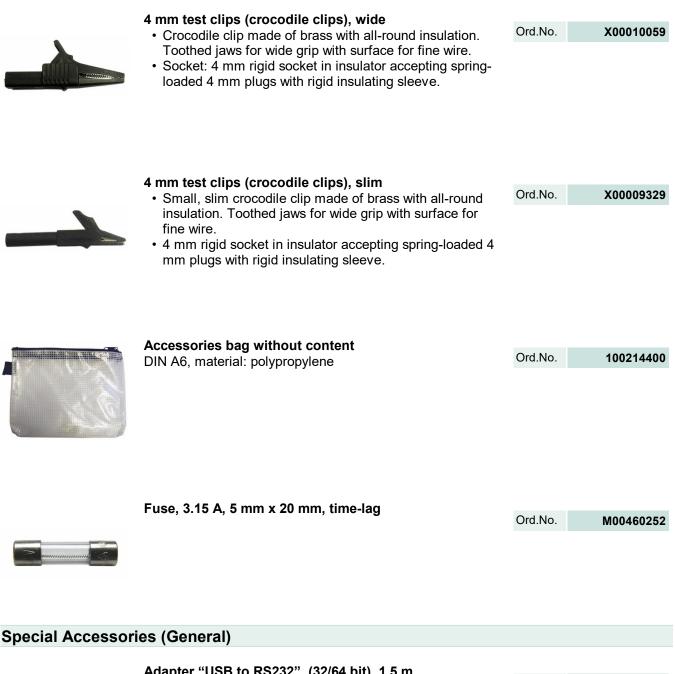




	Adapter for terminal blocks		
	<ul> <li>Connection via insulated flexible copper conductor.</li> <li>Socket: 4 mm rigid socket in insulator, made of brass,</li> </ul>	Ord.No.	X00004961
	accepting spring-loaded 4 mm plugs with rigid insulating sleeve.		
	<ul> <li>4 mm plug adapter (banana plug)</li> <li>Plug: 4 mm spring-loaded plug, made of brass.</li> </ul>	Ord.No.	X00004962
	<ul> <li>Socket: 4 mm rigid socket in insulator accepting spring- loaded 4 mm plugs with rigid insulating sleeve.</li> </ul>		
	<ul> <li>4 mm cable lug adapters</li> <li>Cable lug adapter, made of brass for permanent installation, e. g. for connecting screw terminals.</li> </ul>	Ord.No.	X00004963
	<ul> <li>Socket: 4 mm rigid socket in insulator accepting spring- loaded 4 mm plugs with rigid insulating sleeve.</li> </ul>		
	<ul><li>Spring clip</li><li>Connection via spring clip.</li></ul>	Ord.No.	100606750
$\sim$	<ul> <li>Connection via spring clip.</li> <li>Socket: spring-loaded 4 mm plugs with rigid insulating sleeve.</li> </ul>		10000100
	<b>_</b>		
	<ul> <li>Test plugs for terminal blocks</li> <li>Plug: 4 mm test plug, made of brass with spring-loaded plug for connecting into rail mounted terminals with 4</li> </ul>	Ord.No.	100102400
	<ul> <li>mm sockets.</li> <li>Socket: 4 mm rigid socket in insulator accepting spring-</li> </ul>		
	loaded 4 mm plugs with rigid insulating sleeve.		



1000





Adapter "USB to RS232" (32/64 bit), 1.5 m For use with an external PC/Notebook (32/64 bit) with WINDOWS OS (7, 8, 10).

101421801

Ord.No.



Interface cable, RS232, crossed wired (null modem cable) Connection cable • 2x D-Sub socket, 9-pin • Cable length: 3.00 m	Ord.No.	X00010844
<b>Pulse shaper K129</b> The adapter K129 can be connected between the TTL- output and the Fin-input. The TTL-level will be converted into an Open-Collector-output. The necessary power supply (> 3.4 V / approx. 40 µA) will be provided by the input, resp. output signal.	Ord.No.	100311100



Adjustment

The adaptor K133 is for the reduction ratio (1000:1, 100:1, Ord.No. 100453200	0
10:1, 1:1) of working standard pulses.	
Input pulse active 2 24 V or open collector , max 350	
kHz. Output open Collector with pullup to 12 V.	

#### Readjustment (only for Service)

	AC-Adjustment of COM5003		
<b>`</b>		Ord.No.	101049020
	<i>Note:</i> Calibration and Calibration report are not included.		

#### Factory Calibration (only for Service)



AC Factory Calibration for COM5003, 50 Hz Ord.No.

**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.

100890841

	1
CALIBRATION	
60Hz	
Calibration Calibration Cali-	
bration Calibration Calibra- tion Calibration Calibration	
Calibration Calibration Cali-	
bration Calibration Calibra-	

AC Factory Calibration for COM5003, 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.	100890842
Factory Calibration for instrument, each additional load point for power and energy	Ord.No.	100007093



CALIBRATION

Factory Calibration for instrument, each additional load point for current and/or voltage

Ord.No. **100007094** 



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