



# SM-MEAS-0-ZDT High Voltage Meter (U/I, AC/DC)

DC  $\pm 1 \text{ V} \dots \pm 10 \text{ kV} / \pm 15 \mu\text{A} \dots \pm 500 \text{ mA}$   
AC  $2 \text{ V} \dots 7 \text{ kV} / 15 \mu\text{A} \dots 500 \text{ mA}$



## Technical features

- Self-sufficient measuring instrument for universal use in the laboratory and in automated systems
- Ethernet interface (TCP / IP)
- Integrated bracket allows easy coverage and a better view of the display through individual installation positions
- Robust housing



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### Technical data

Measurement parameters		
Measurement	DC voltage and current, arithmetic mean	
	AC voltage and current, true rms value, signal frequency typically 50/60 Hz	
Measuring method	24 bit $\Sigma$ - $\Delta$ converter	
Voltage measurement	1 Measuring range      Measuring range 10 kV	
	DC $\pm 1 \text{ V} \dots \pm 10 \text{ kV}$ AC $2 \text{ V} \dots 7 \text{ kV}$ / trms	
Current measurement	4 measuring ranges	Measuring range 1 mA
		Measuring range 10 mA
		Measuring range 100 mA
		Measurement range 500 mA
DC $\pm 15 \text{ }\mu\text{A} \dots \pm 500 \text{ mA}$ AC $15 \text{ }\mu\text{A} \dots 500 \text{ mA}$ / trms		
Potential	internal earth potential reference at the negative input socket	
General		
Supply	100 ... 230 V (AC), 50 Hz / 60 Hz	
Equipment	Ethernet interface (TCP / IP)	
	4-line display	
	3 illuminated buttons for manual settings (measuring range / display / filter)	
	On the front: 2 x 1.8 m high voltage line with TOPAS plug connection On the back: Test item connection via 2 x integrated TOPAS connection sockets	
Dimensions	W = 260 mm, D = 260 mm, H = 160 mm	
Weight:	Appr. 2.5 kg	

Scope of supply
SM-MEAS-0-ZDT High Voltage Meter (U/I, AC/DC)
2.5 m mains cable – Schuko plug – IEC socket
3 m network cable CAT6, (patch cable)
2 x 1.8 m high voltage line with TOPAS plug connection
Operating manual

Accessories
Load resistor network (W = 260 mm, D = 260 mm, H = 70 mm) (Art. No. 94-8R)
ELABO Elution® Software
Factory calibration (Art. No. SM-MEAS-0-E099) or DAkkS calibration (Art. No. 94-8F)