

MULTIFUNCTIONAL AMMETER MEASURING FOR NETWORK DIFFERENTIAL CURRENT

FLUSH MOUNTING DIN 96X96 mm

These could be used for measuring differential or residual currents (up to 4 simultaneously)
with an external toroidal current transformer **CT-1 series**

GENERAL



ELM-4

ELM-4-485



Environmental working characteristics

Working T $-5 \div +50^{\circ}\text{C}$ Storage T $-15 \div +60^{\circ}\text{C}$ Humidity $\leq 90\%$

Standards/ Regulation

Safety 61010-1:2001

EMC: EN61000-6-2 / EN61000-6-4

CISPR22-EN55022

Electrical compatibility CE

models and value	ELM 4	ELM 4-485
Mechanical characteristics	Flush mounting DIN 96 x 96 mm Depth 56 mm Panel cut out 92x92 mm Weight: 0,5 kg	
Auxiliary supply	110-230-400 V 50-60 Hz	
OPTION C1	20÷60 Vca/dc	
OPTION C2	90÷250 Vca/dc	
Protection degree	Frontal IP 52 Box IP 20 (IP65 with external cover)	
Current inputs	4 inputs 0,05÷5A rms from external toroidal reducer series CT-1	
OPTION 1A Δ	4 inputs 0,01÷1A rms (from external toroidal reducer series CT-1..)	
OPTION 50 A Δ	4 inputs 0,05÷50A (from external toroidal reducer series CT-1)	
Measured parameters	AΔ1 AΔ2 AΔ3 AΔ4	
Measuring accuracy	Current: <0,5%	
Frequency measure	40 ÷ 100 Hz	
Serial outputs	-	1 Rs485 Communication protocol MODBUS-RTU Baud rate 9600-19200 bps
Digital outputs	2 photomos - 10÷300 Vcc/150 mA or 10÷250 Vca/150 mA max for alarms or re-emission pulses (programmable time of pulse 100÷500 m Sec.)	
Analog outputs	-	3 outputs 0-20/4-20 mA, completely programmable 16 bit definition (by external toroidal converter serial/analog Z3AO) *
Display	4 displays with 10 mm red LED (3 digit of 10 mm - 7 segments)	

* in this case serial output RS485 can not be used.