

MA48mVD

Redox measurement and display device



The MA48mVD is a high-resolution redox measurement and display device. It is equipped with a digital display and a potentiometer for cell adjustments. The compact design according to DIN IEC 61554 is made of flame-retardant noryl and designed for panel mounting. The device is connected via screw-type connectors on the back side.

Features

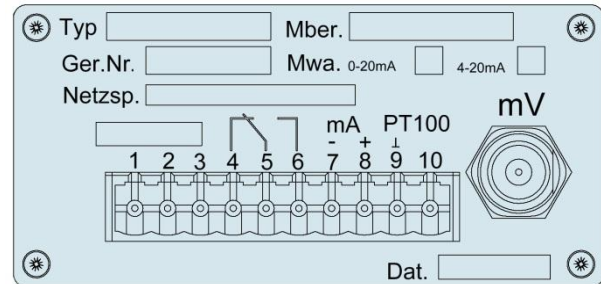
- high-impedance converter for direct connection of a redox electrode
- 3 ½-digit LCD display, digit height 12.7 mm
- measuring range between -1000 to +1000 mV
- selectable current output
- selectable power supply
- selectable temperature compensation
- quick and easy installation in the panel outbreak via spring clips that can be attached to the housing wall

Application fields

- redox potential measurement and monitoring
- high impedance voltage measurements (potentiometry)
- swimming pools, fish farming and breweries
- continuous and batch waste water treatment plants

Connections

No.	Description
1	power supply
2	power supply
3	power supply
4	not assigned
5	not assigned
6	not assigned
7	0 to 20 mA / 4 to 20 mA (-)
8	0 to 20 mA / 4 to 20 mA (+)
9	PT100 ground (PT \perp)
10	PT100 (PT)
mV	BNC-connector for redox electrode



Technical data

Parameter	Description	Order code: MA48mVD-
measuring range (other ranges on request)	-1000 to +1000 mV	
Resolution	1 mV	
power supply (factory set)	230 V AC, 50-60 Hz / 6 VA, -15 % bis +10 %	230AC
	120 V AC, 50-60 Hz / 6 VA, -15 % bis +10 %	120AC
	24 V AC	24AC
	24 V DC	24DC
current output (factory set, non-isolated)	0 to 20 mA	S0
	4 to 20 mA	S4
max. load	600 Ω	
temperature compensation	none	-
	automatic, with PT100 (2-wire connection)	AT
front	3 ½-digit LCD-display, digit height 12.7 mm	
connection	10-pin connector	
	BNC connector (connection redox electrode)	
dimension	96 mm x 48 mm x 150 mm (W x H x D incl. connectors)	
panel cut out	91.3 mm x 45.2 mm, ± 0.2 mm	
permitted storage and operating conditions	0 to +40 °C, < 80 % RH	
permitted degree of pollution	2 (according to DIN EN 60664-1)	
protection	front: IP40	
	rear: IP20	

Please specify signal output, power supply and whether a temperature compensation is desired when ordering.

Specifications are subject to modifications.