

MA48pHD

pH measurement and display device



The MA48pHD is a high-resolution pH measurement and display device. It is equipped with a digital display and an asymmetry and slope potentiometer. 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 pH electrode
- 3 ½-digit LCD display, digit height 12.7 mm
- precise adjustment of zero point and slope of the amplifier to the electrode
- selectable measuring range
- 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

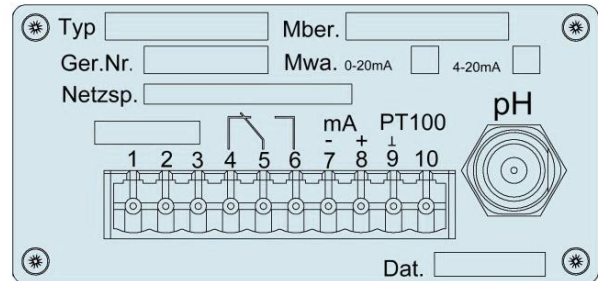
- swimming pools, fish farming, breweries
- sewage treatment plants, landfills and power plants
- continuous and batch waste water treatment plants
- pure and ultra-pure water plants, desalination and recirculation systems
- exhaust systems
- final inspection and monitoring

Technical data

Parameter	Description	Order code: MA48pHD-
measurement ranges (factory set)	pH 0 to 14	014
	pH 0 to 10	010
	pH 2 to 12	212
resolution	0,01 pH	
power supply (factory set)	230 V AC, 50 – 60 Hz / 6 VA, -15 % to +10 %	230AC
	120 V AC, 50 – 60 Hz / 6 VA, -15 % to +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	
	potentiometer for slope adjustment	
	potentiometer for asymmetric potential balancing	
connection	10-pin connector	
	BNC-connector (connection pH 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	
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	

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 Mass (PT \perp)
10	PT100 (PT)
pH	BNC-connector for pH electrode



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

Specifications are subject to modifications.