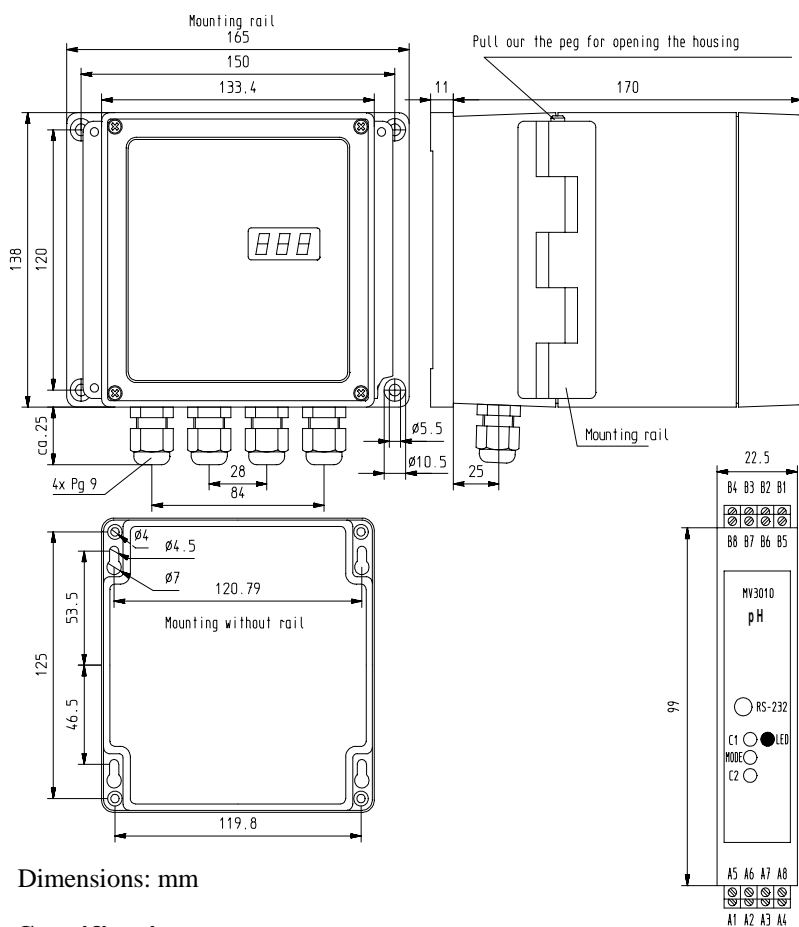


pH TRANSMITTER MV 3010 W

08/05



Dimensions: mm

Specifications

Measuring ranges

pH 0 ... 14

Configuration

via transmitter's RS-232 interface in connection with the accompanying configuration software program; manual and automatic temperature compensation

Calibration

by means of the transmitter's buttons in opened enclosure position

MODE: Change into calibration mode

C1, C2: Calibration values (pre-adjustment C1: buffer solution pH 6.87 (25 °C); C2: buffer solution pH 4.01 (25 °C))

Indication

multi-coloured LED (stable value signalisation)

LED yellow: Calibration LED green: Measurement LED red: Calibration error

Output signal

1 x 0(4) ... 20 mA, isolated

Relay output

closing contact max. 125 V AC, 60 V DC; 30 VA

Display

4-digit LCD display, signs high 8 mm

Power supply

240 V AC (special version 110 V AC) 48...63 Hz, about 1.5 VA

Ambient temperature

-10 ... 50 °C

EMC

acc. EN 61326 class B

Enclosure

plastic case for wall mounting, protection degree IP 65

Electrodes / Sensors

pH combination electrode; pH/Temperature combination electrode; temperature sensor Pt 1000 (special version for Pt 100)

Electrical connections

screw-terminals for wires cross section 0.2...2.5 mm²; 3-pins socket for RS-232 cable connector on the transmitter

The model MV 3010 W fulfils all functions of a simple controller and contains in a wall mountable housing a pH Transmitter MV 3010, a LED-display on the front and the power supply. The pH Transmitter MV 3010 realises reliable processing of pH in connection with a pH combination electrode.

The transmitter features programmable calibration functions, automatic temperature compensation, easy installation and programming by means of a RS-232 interface, high functionality and an integrated limit relay output.

Input signal terminals:

A1	Guard	A5	Pt 1000 (1)
A2	Measuring electrode	A6	Pt 1000 (1)
A3	Guard	A7	Pt 1000 (2)
A4	Reference electrode	A8	Pt 1000 (2)

Output signal terminals:

B2	GND
B5	output 1 used for the display
B6	output 0 referred to GND
B7	relay output closing contact
B8	relay output closing contact

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