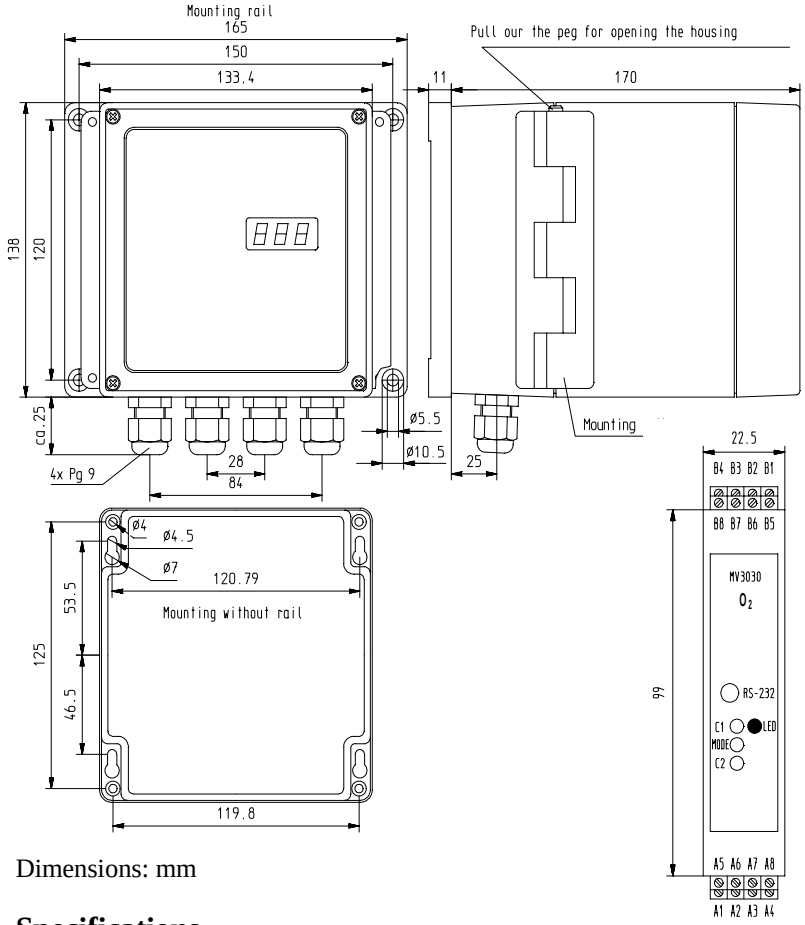
OXYGEN TRANSMITTER MV 3030 W

08/05



Dimensions: mm

The model MV 3030 W fulfils all functions of a simple controller and contains in a wall mountable housing a Oxygen Transmitter MV 3030, a LED-display on the front and the power supply. The Oxygen Transmitter MV 3030 realises reliable processing of oxygen concentration or oxygen percent saturation in connection with a membrane covered amperometric oxygen sensor and a integrated temperature sensor.
The transmitter features programmable calibration functions, automatic temperature compensation, automatic air pressure compensation (optional), easy installation and programming by means of a RS-232 interface, high functionality and a integrated limit relay output.

Input signal terminals:

A1	Anode	A5	Pt 1000 (1)
A2	Cathode	A6	Pt 1000 (1)
A3	Anode	A7	Pt 1000 (2)
A4		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

Specifications

Measuring ranges 0 ... 200 % saturation; 0 … 20 mg/l

Configuration via transmitter's RS-232 interface in connection with the accompanying configuration software program; automatic temperature compensation; air pressure comp. (optional)

Calibration by means of the transmitter's buttons in opened enclosure position
MODE: Change into calibration mode
C1, C2: Calibration values (pre-adjustment C1: 100 % saturation for air calibration and measurement in gases; C2: 102 % saturation for air calibration and dissolved oxygen measurement in water)
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 oxygen sensor with integrated temperature sensor Pt 1000 (special version for Pt 100)

Electrical connections screw-terminals for wires cross section 0.2…2.5 mm^2; 3-pins socket for RS-232 cable connector on the transmitter

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