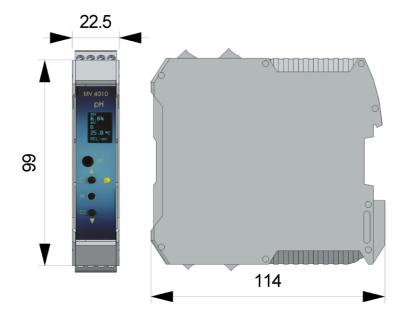
MV4000

Transmitter





MV4010 Dimension in mm

A small display (OLED) for measuring value and calibration instructions facilitates control and service. The transmitter features programmable calibration functions, automatic temperature compensation, easy installation and programming by means of a PC interface. The transmitter series features reliable processing of:

pH value and temperature

MV4010

Redoxpotential (ORP) and temperature

MV4015

Concentration (ISE) and temperature

MV4016

Conductivity (2 electrodes cells) and temperature

MV4020

Conductivity (4 electrodes cells) and temperature

MV4025

Dissolved oxygen (amperometric) and temperature

MV4030

Chlorine and temperature

MV4060



Display	graphic OLED, 48 x 64 pixel, back-lighted display for main and second value, temperature	
Configuration	with PC configuration software program DinModule: scaling and determining of the analogue output signals calibration menu, definition of the calibration points temperature compensation 	
Button function	MODE: changing into calibration modeC1, C2: calibration values	
Indication	multi-coloured LED (stable value signalisation) LED orange: calibration LED green: measurement LED red: calibration error	
Output signal	2 x 0(4)20 mA or 05(10) V, isolated, resolution 12 Bit; RS232 (protocol on request)	
Current output signal	load ≤ 500 Ω, accuracy ≤ 0.2 %	
Voltage output signal	input resistance ≥ 2 kΩ, accuracy ≤ 0.2 %	
Relay output	1 limit relay output, closing contact, max. 24 V AC/DC, 1 A	
Power supply	1524 V AC/DC, approx. 1.5 VA	
Ambient temperature	050 °C	
EMC	EN 61326-1:2013, class B	
Enclosure	plastic case for mounting on rail tracks DIN EN 50022-35, protection degree IP 40	
Dimension	22.5x99x114 mm (WxHxD)	
Electrical connection	 mountable screw-terminals for wires cross section 0.22.5 mm² 3-pins socket for RS232 cable connector Option: rail track bus-connector 	

Accessory:

DinModule PC software program for configuration and data transmission
 Interface MV Interface Cable 1.8 m for RS232 interface connection to MV4000
 Interface MV USB Interface connection to MV4000

	Measuring range	Electrodes / Sensors
MV4010	■ pH -2.0016.00 ■ -20002000 mV ■ -10.0130.0 °C (Pt 1000)*	 pH combination electrode pH combination electrode with integrated temperature sensor separated measuring electrode temperature sensor Pt 1000
MV4015	20002000 mV 10.0130.0 °C (Pt 1000)*	 redox combination electrode separated measuring electrode temperature sensor Pt 1000
MV4016	 Ion concentration correlate to sensor specification and calibration -20002000 mV -10.0130.0 °C (Pt 1000)* 	 ion selective combination electrode (ISE) separated measuring electrode temperature sensor Pt 1000
MV4020	 0200.0 μS/cm, 02000 μS/cm 020.00 mS/cm, 0100.0 mS/cm -10.0130.0 °C (Pt 1000)* 	 2 electrodes measuring cell with cell constant approx. 1 cm⁻¹ temperature sensor Pt 1000
MV4025	 0200.0 μS/cm, 02000 μS/cm 020.00 mS/cm, 0500.0 mS/cm -10.0130.0 °C (Pt 1000)* 	 4 electrodes measuring cell with cell constant approx. 0.3 cm⁻¹ temperature sensor Pt 1000
MV4030	• 0200.0 % • 020.00 mg/l • -10.0130.0 °C (Pt 1000)*	 membrane covered amperometric oxygen sensor temperature sensor Pt 1000
MV4060	 Input 0(4)20 mA free programmable slope / concentration (i. e. 02.00 mg/l) -10.0130.0 °C (Pt 1000)* 	 sensor with 2 wire output especially amperometric sensors for measurement of disinfectants (chlorine, chlorine dioxide, ozone) temperature sensor Pt 1000

^{*} NTC or Pt 100 on request

Type:

MV40xx current outputMV40xx-U voltage output

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