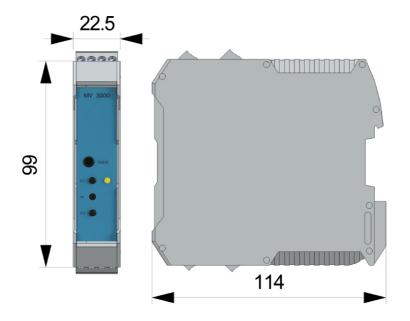
MV3000

Transmitter





MV3010 Dimension in mm

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

MV3010

Redoxpotential (ORP) and temperature

MV3015

Concentration (ISE) and temperature

MV3016

Conductivity (2 electrodes cells) and temperature

MV3020

Conductivity (4 electrodes cells) and temperature

MV3025

Dissolved oxygen (amperometric) and temperature

MV3030

Chlorine and temperature

MV3060



Configuration	with PC configuration software program DinModule: scaling and determining of the analogue output signalscalibration menu, definition of the calibration pointstemperature 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 MV3000
 Interface MV USB Interface connection to MV3000

	Measuring range	Electrodes / Sensors
MV3010	■ 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
MV3015		 redox combination electrode separated measuring electrode temperature sensor Pt 1000
MV3016	 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
MV3020	 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
MV3025	 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
MV3030	• 0200.0 % • 020.00 mg/l • -10.0130.0 °C (Pt 1000)*	 membrane covered amperometric oxygen sensor temperature sensor Pt 1000
MV3060	 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:

MV30xx current outputMV30xx-U voltage output

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