

M1 – 4-digit digital panel meters in 72x36 mm (BxH)

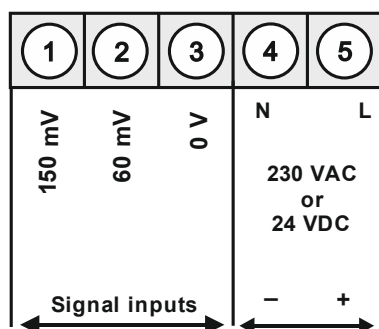
Direct voltage (Shunt) 0-60 mV, 0-150 mV

- red display with -1999...9999 digits (optional green, orange or blue displays)
- installation depth: 100 mm with plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min/max-value recording
- 10 adjustable setpoints
- display flashing at threshold undercut/ exceedance
- navigation keys for the recall of the min/max-values or for threshold value corrections during operation
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- optional: 2 relay outputs
- accessories: pc-based configuration-kit PM-TOOL with USB adapter
- on request: devices for working temperatures of -40°C...+70°C



ORDER NUMBER **EUR**
(without options)

• Direct voltage (Shunt)



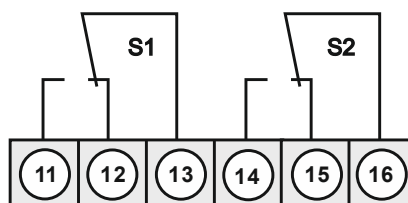
Supply 230 VAC

M1-6VR4B.0002.570xD **201.20**

Supply 24 VDC

M1-6VR4B.0002.770xD **211.80**

Option:



• Product key options

M	1-	6	V	R	4	B.	0	0	0	2.	5	7	0	x	D
M	1-	6	V	R	4	B.	0	0	0	2.	7	7	0	x	D

EUR

D	Dimension/physical unit, customer-specific settings	20.00
2	2 relay outputs	31.80
1	without keypad, operation via PC software PM-TOOL	10.60
X	Other voltage supplies on request!	
B	Blue	35.00
G	Green	10.10
Y	Orange	10.10

State physical unit by order, e.g. A!

• Parameterisation software

PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. USB-adapter. Programming happens via an interface on the back.

PM-TOOL-MUSB4

94.30

• Technical data

Dimensions	Housing	B72 x H36 x D71 mm, (incl. plug-in terminal D = 100 mm)		
	Panel cut-out	68.0 ^{+0.7} x 32.0 ^{+0.6} mm		
	Fixing	screw elements for wall thickness up to 3 mm		
	Housing material	PC Polycarbonate, black		
	Sealing material	EPDM, 65 Shore, black		
	Protection class	at the front IP65 standard, at the back IP00		
	Weight	approx. 200 g		
	Connection	plug-in terminal; wire cross section up to 2.5 mm ²		
Display	Display	4-digit		
	Digit height	14 mm		
	Segment colour	red (Standard), optional available in green, blue and orange		
	Range of display	-1999 to 9999		
	Threshold values	optical display flashing		
	Overflow	horizontal bars at the top		
	Underflow	horizontal bars at the bottom		
Display time/Meas. time	0.1 to 10.0 seconds			
Measuring input	Measuring span	-5...80 mV	/ -10...180 mV	
	Measuring range	0...60 mV	/ 0...150 mV	
	Input resistance	Ri with ~12 kΩ	/ Ri with ~30 kΩ	
	Measuring error	0.5% of measuring range, ± 1 Digit / 0.5% of measuring range, ± 1 Digit		
	Temperature drift	100 ppm/K		
	Measuring time	0.1 ... 10.0 seconds		
	Measuring principle	U/F-conversion		
	Resolution	approx. 18 bit at 1 sec measuring time		
	Output	2x relay outputs	contact voltage 30 VDC/AC, max. 2 A resistive load	
		with normally open contact	operating life < 30 mV/< 10 mA – minimum 2.5x10 ⁶	
		30 VDC / 1 A – minimum 5x10 ⁵		
		30 VDC / 2 A – minimum 1x10 ⁵		
Power pack	Supply	230 VAC ±10% (max. 3 VA)		
		24 VDC ±10%, galvanic isolated (max. 1 VA)		
Memory	EEPROM	Data life ≥ 100 years at 25°C		
Ambient conditions	Working temperature	0 to +60°C		
	Storing temperature	-20 to +80°C		
	Climatic density	relative humidity 0-85% on years average without dew		
CE-sign	Conformity to directive 2014/30/EU			
EMV	EN 61326, EN 55011			
Safety standard	According to low voltage directive 2014/35/EU, EN 61010; EN 60664-1			

Housing:

