

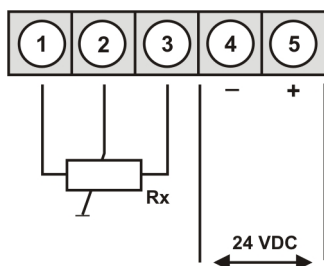
IM1 – 4-digit digital panel meter in 48x24 mm (BxH) Potentiometer >1 kΩ...<1000 kΩ

- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 27 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min/max-value recording
- 10 adjustable supporting points
- display flashing at threshold exceedance / undercut
- navigation keys for the recall of min/max-values or for limit value corrections during operation
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on demand: devices for working temperatures of -40°C...+70°C



ORDERING NUMBER **EUR**
(without options)

• Potentiometer >1 kΩ...<1000 kΩ



Supply 24 VDC

IM1-7VR4A.0005.770xD **158.90**

• Product key options

IM	1-	7	V	R	4	A.	0	0	5.	7	7	0	x	D	EUR
											1			without keypad, operation via PC software PM-TOOL	10.60
											B			Blue	35.00
											G			Green	10.10
											Y			Orange	10.10

State physical unit in order, e.g. %.

• Parameterisation software

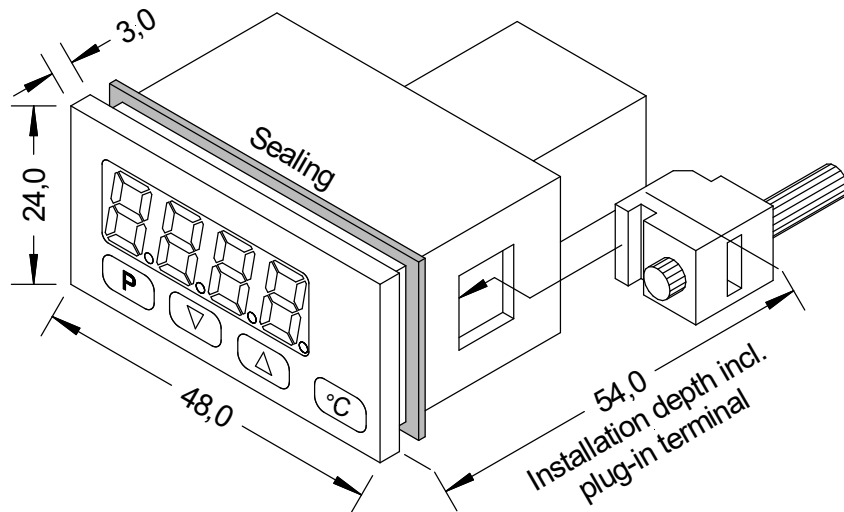
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming happens via an interface on the back.

PM-TOOL-MUSB4 **94.30**

• Technical data

Dimension	Housing	B48xH24xD27 mm (including plug-in terminal D= 54 mm)
	Panel cut-out	45.0 ^{+0.8} x 22.2 ^{+0.6} mm
	Fixing	screw elements for insulation thickness up to 3 mm
	Housing material	PC Polycarbonate, black
	Sealing material	EPDM, 65 Shore, black
	Protection class	at the front IP65 standard, back side IP00
	Weight	approx. 100 g
	Connection	plug-in terminal; line cross-section up to 2.5 mm ²
Display	Display	4-digit
	Digit height	10 mm
	Segment colour	red (standard), optional available in green, blue and orange
	Display range	-1999 to 9999
	Setpoints	optical display flashing
	Overflow	horizontal bars at the top
	Underflow	horizontal bars at the bottom
	Display time/ Measuring time	0.1 to 10.0 seconds
Measuring input	Span	>1 kΩ ... <1000 kΩ
	Measuring range	0...100%
	Measuring fault	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
Power pack	Supply	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:



• Order key

	IM	1-	7	V	R	4	A.	0	0	0	5.	7	7	0	x	D	
Basic type M-Line																	Operation D physical unit (free selectable)
Installation depth 54 mm, incl. plug-in terminal																	Version x internal version
Housing size 48x24x27 mm (BxHxD)																	Switching points 0 no switching point
Display type Ohm																	Protection class 1 without keypad, operation via PM-TOOL 7 IP65 / plug-in terminal
Display colours Blue Green Red Orange																	Supply voltage 7 24 VDC galv. isolated
Number of digits 4-digit																	Measuring input 5 Potentiometer > 1 kOhm... < 1000 kOhm
Digit height 10 mm																	Analog output 0 without
Digital input without																	Sensor supply 0 without