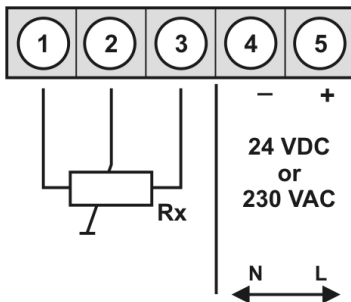


IM1 – 4 digit digital panel meter in 96x24 mm (BxH) Potentiometer >1 kΩ ... <1000 kΩ

- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 57 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min/max-value recording
- 10 adjustable support points
- display flashing at threshold exceedance / undershooting
- navigation keys for the recall of min/max values or 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 request: devices for working temperatures of -40°C...+70°C



• Potentiometer >1 kΩ ... <1000 kΩ



Supply 230 VAC

Supply 24 VDC

ORDER NUMBER **EUR**
(without options)

IM1-3VR4B.0005.570xD 185.30

IM1-3VR4B.0005.770xD 195.90

• Order key options

IM	1-	3	V	R	4	B.	0	0	0	5.	5	7	0	x	D	EUR
IM	1-	3	V	R	4	B.	0	0	0	5.	7	7	0	x	D	
											1					10.60
											X					
											B					35.00
											G					10.10
											Y					10.10

Please state physical unit in order, e.g. %.

• Parameterisation software

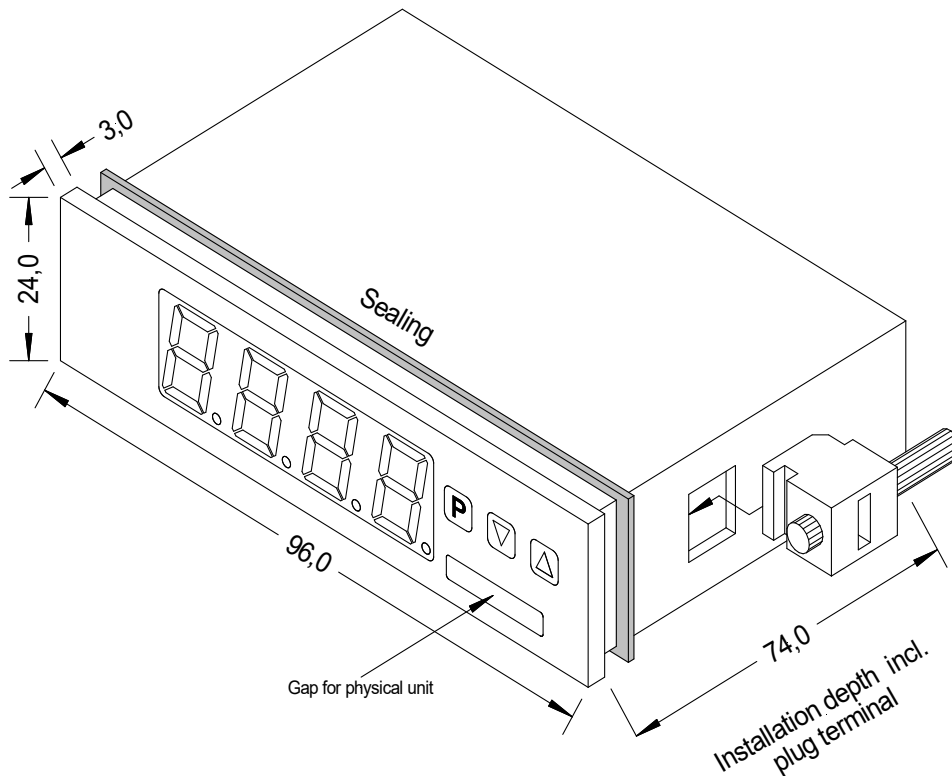
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adaptor. Programming happens via an interface on the back.

PM-TOOL-MUSB4 94.30

• Technical data

Dimension	Housing	B96 x H24 x D57 mm (including plug-in terminal, D= 74 mm)
	Panel cut-out	92.0 ^{+0.8} x 22.2 ^{+0.3} 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. 50 g
Display	Connection	plug-in terminal; line cross-section up to 2.5 mm ²
	Display	4-digit
	Digit height	14 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
Measuring input	Underflow	horizontal bars at the bottom
	Display time/ Measuring time	0.1 to 10.0 seconds
	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
Power pack	Measuring principle	U/F-conversion
	Resolution	approx. 18 bit at 1 sec measuring time
	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:



• Ordering code IM1

	IM	1-	3	V	R	4	B.	0	0	0	5.	7	7	0	x	D
Basic type M-Line																
Installation depth 74 mm incl. plug-in terminal																<input type="checkbox"/> 1
Housing size 96 x 24 x 57 mm																<input type="checkbox"/> 3
Display type Voltage, current																<input type="checkbox"/> V
Display colours Blue Green Red Orange																<input type="checkbox"/> B <input type="checkbox"/> G <input type="checkbox"/> R <input type="checkbox"/> Y
Number of digits 4-digit																<input type="checkbox"/> 4
Digit height 14 mm																<input type="checkbox"/> B
Interface without																<input type="checkbox"/> 0
																<input type="checkbox"/> D
																Dimension <input type="checkbox"/> D physical unit (free selectable)
																Version <input type="checkbox"/> x Internal version
																Switching points <input type="checkbox"/> 0 no switching points
																Protection class <input type="checkbox"/> 1 without keypad, operation via PM-TOOL <input type="checkbox"/> 7 IP65 / plug-in terminal
																Supply voltage <input type="checkbox"/> 5 230 VAC <input type="checkbox"/> 7 24 VDC galv. isolated
																Measuring input <input type="checkbox"/> 5 Potentiometer >1...<1000 kOhm
																Analog output <input type="checkbox"/> 0 without
																Sensor supply <input type="checkbox"/> 0 without