

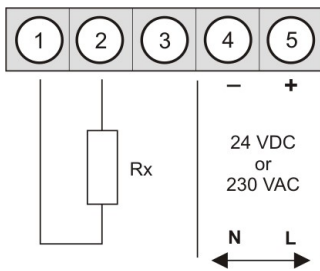
## IM1 – 4-digit digital panel meter in 96x48 mm (BxH) Resistance 1 kΩ, 10 kΩ, 100 kΩ or 1000 kΩ

- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 25 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



**ORDER NUMBER**                      **EUR**  
(without options)

### • Resistance 1 kΩ, 10 kΩ, 100 kΩ or 1000 kΩ



Supply 230 VAC	<i>Measuring range 1 kΩ</i>	<b>IM1-1VR4B.0806.570xD</b>	<b>156.70</b>
Supply 24 VDC	<i>Measuring range 1 kΩ</i>	<b>IM1-1VR4B.0806.770xD</b>	<b>169.40</b>
Supply 230 VAC	<i>Measuring range 10 kΩ</i>	<b>IM1-1VR4B.0506.570xD</b>	<b>156.70</b>
Supply 24 VDC	<i>Measuring range 10 kΩ</i>	<b>IM1-1VR4B.0506.770xD</b>	<b>169.40</b>
Supply 230 VAC	<i>Measuring range 100 kΩ</i>	<b>IM1-1VR4B.0606.570xD</b>	<b>156.70</b>
Supply 24 VDC	<i>Measuring range 100 kΩ</i>	<b>IM1-1VR4B.0606.770xD</b>	<b>169.40</b>
Supply 230 VAC	<i>Measuring range 1000 kΩ</i>	<b>IM1-1VR4B.0706.570xD</b>	<b>156.70</b>
Supply 24 VDC	<i>Measuring range 1000 kΩ</i>	<b>IM1-1VR4B.0706.770xD</b>	<b>169.40</b>

### • Product key options

IM	1-	1	V	R	4	B.	0	X	0	6.	5	7	0	x	D	EUR
IM	1-	1	V	R	4	B.	0	X	0	6.	7	7	0	x	D	
											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

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

### • Parameterisation software

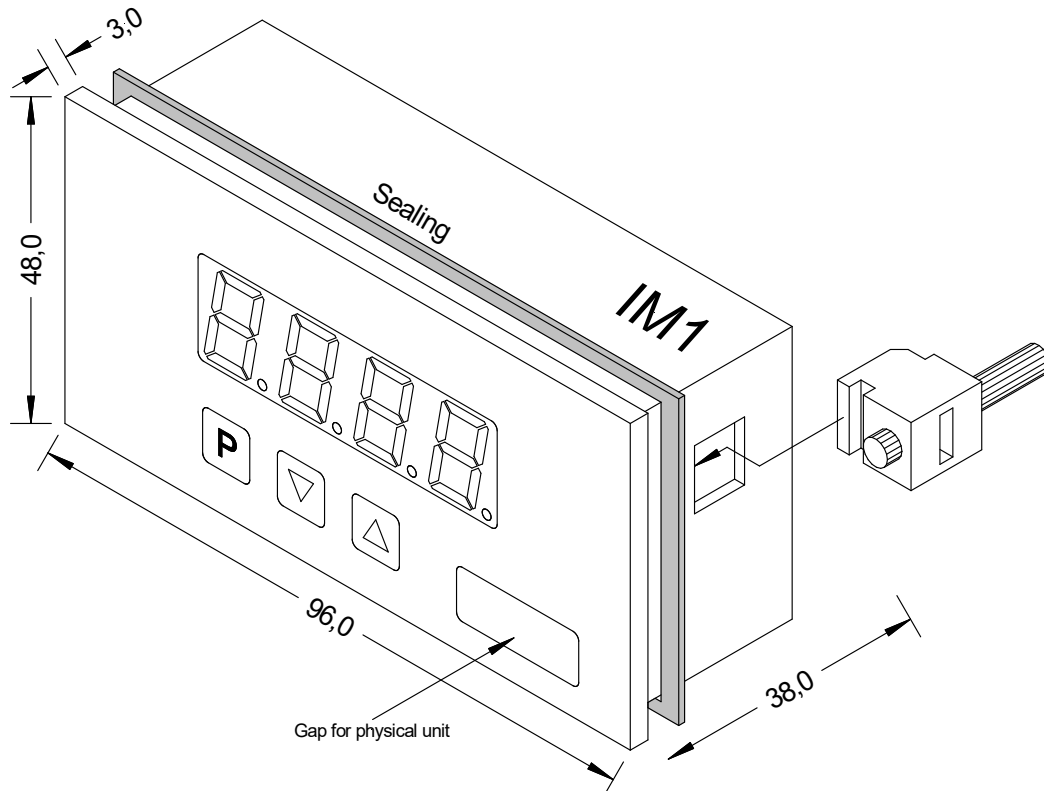
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adaptor. Programming happens via an interface on the back.

**PM-TOOL-MUSB4**                      **94.30**

## • Technical data

<b>Dimension</b>	Housing Panel cut-out Fixing Housing material Sealing material Protection class Weight Connection	B96xH48xD25 mm (including plug-in terminal D= 38 mm) 92.0 <sup>+0.8</sup> x 45.0 <sup>+0.6</sup> mm screw elements for insulation thickness up to 3 mm PC Polycarbonate, black EPDM, 65 Shore, black at the front IP65 standard, back side IP00 approx. 100 g plug-in terminal; line cross-section up to 2.5 mm <sup>2</sup>
<b>Display</b>	Display Digit height Segment colour Display range Setpoints Overflow Underflow Display time/ Measuring time	4-digit 14 mm red (standard), optional available in green, blue and orange -1999 to 9999 optical display flashing horizontal bars at the top horizontal bars at the bottom  0.1 to 10.0 seconds
<b>Measuring input</b>	Span Measuring range Measuring fault Temperature drift Measuring time Measuring principle Resolution	0...1.1 kΩ, 0...11 kΩ, 0...110 kΩ, 0...1100 kΩ 0...1 kΩ, 0...10 kΩ, 0...100 kΩ, 0...1000 kΩ 0.5% of measuring range, ± 1 digit 100 ppm/K 0.1 ... 10.0 seconds U/F-conversion approx. 18 bit at 1 sec measuring time
<b>Power pack</b>	Supply	230 VAC ±10 % (max. 3 VA) 24 VDC ±10 %, galvanic isolated (max. 1 VA)
<b>Memory</b>	EEPROM	Data life ≥ 100 years at 25°C
<b>Ambient conditions</b>	Working temperature Storing temperature Climatic density	0 to +60°C -20 to +80°C relative humidity 0-85% on years average without dew
<b>CE-sign</b>	Conformity to directive 2014/30/EU	
<b>EMV</b>	EN 61326, EN 55011	
<b>Safety standard</b>	According to low voltage directive 2014/35/EU, EN 61010; EN 60664-1	

### Housing:



• Ordering code

	IM	1-	1	V	R	4	B.	0	8	0	6.	7	7	0	x	D	
<b>Basic type M-Line</b>																	<b>Dimension</b>
																	<input type="checkbox"/> D physical unit (free selectable)
<b>Installation depth</b>																	<b>Version</b>
38 mm incl. plug-in terminal			<input type="checkbox"/> 1														<input type="checkbox"/> x internal version
<b>Housing size</b>																	<b>Switching points</b>
96 x 48 x 25 mm (BxHxD)			<input type="checkbox"/> 1														<input type="checkbox"/> 0 no switching points
<b>Display type</b>																	<b>Protection class</b>
Resistance				<input type="checkbox"/> V													<input type="checkbox"/> 1 without keypad, operation via PM-TOOL
<b>Display colours</b>																	<input type="checkbox"/> 7 IP65 / plug-in terminal
Blue																	<b>Supply voltage</b>
Green																	<input type="checkbox"/> 5 230 VAC
Red																	<input type="checkbox"/> 7 24 VDC galv. isolated
Orange																	<b>Measuring input</b>
<b>Number of digits</b>																	<input type="checkbox"/> 6 Resistance
4-digit																	<b>Analog output</b>
<b>Digit height</b>																	<input type="checkbox"/> 0 without
14 mm																	<b>Resistance</b>
<b>Digital input</b>																	<input type="checkbox"/> 8 1 kΩ
without																	<input type="checkbox"/> 5 10 kΩ
																	<input type="checkbox"/> 6 100 kΩ
																	<input type="checkbox"/> 7 1000 kΩ