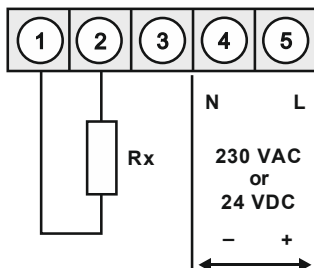


## IM1 – 4-digit digital panel meters in 72x36 mm (BxH) Resistance 1 kΩ, 10 kΩ, 100 kΩ or 1000 kΩ

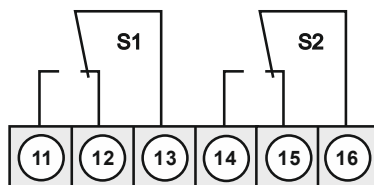
- red display with -1999...9999 digits (optional green, orange or blue displays)
- minimal installation depth: 100 mm with plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min/max-value recording
- 10 adjustable support points
- display flashing at threshold undercut/ 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 CD & USB adapter
- on request: devices for working temperatures of -40°C...+70°C



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



### Option:



		ORDER NUMBER (without options)	EUR
Supply 230 VAC	1 kΩ	IM1-6VR4B.0806.570xD	201.20
Supply 24 VDC	1 kΩ	IM1-6VR4B.0806.770xD	211.80
Supply 230 VAC	10 kΩ	IM1-6VR4B.0506.570xD	201.20
Supply 24 VDC	10 kΩ	IM1-6VR4B.0506.770xD	211.80
Supply 230 VAC	100 kΩ	IM1-6VR4B.0606.570xD	201.20
Supply 24 VDC	100 kΩ	IM1-6VR4B.0606.770xD	211.80
Supply 230 VAC	1000 kΩ	IM1-6VR4B.0706.570xD	201.20
Supply 24 VDC	1000 kΩ	IM1-6VR4B.0706.770xD	211.80

### • Product key options

IM	1-	6	V	R	4	B.	0	X	0	6.	5	7	0	x	D	EUR
IM	1-	6	V	R	4	B.	0	X	0	6.	7	7	0	x	D	
											2					31.80
											1					10.60
											X					
											B					35.00
											G					10.10
											Y					10.10

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

### • Parameterisation software

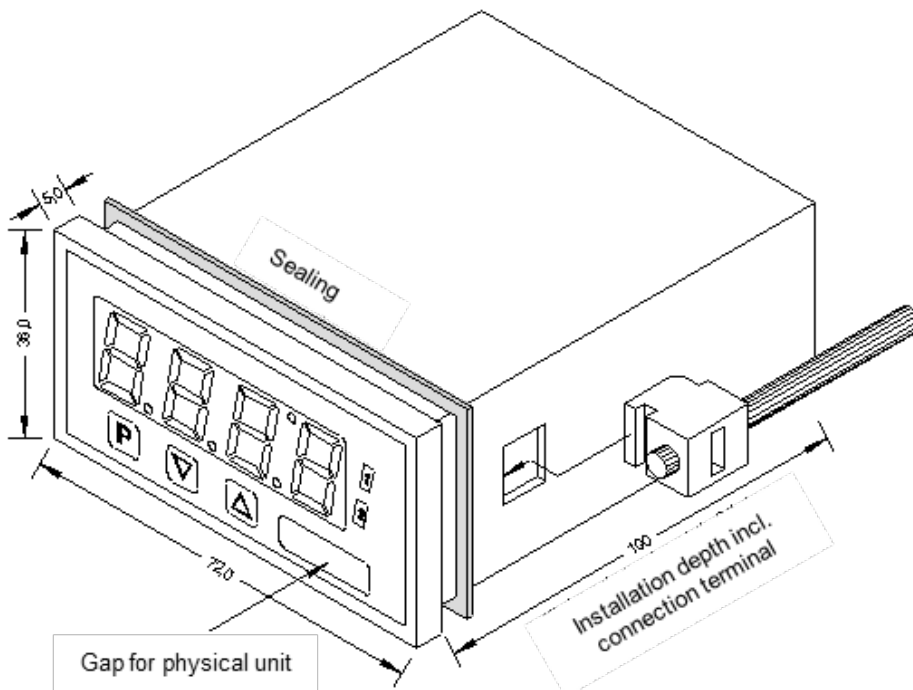
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adaptor. Programming happens de via an interface on the back.

**PM-TOOL-MUSB4 94.30**

## • Technical data

<b>Dimensions</b>	Housing	B72 x H36 x D71 mm, (incl. plug-in terminal D = 100 mm)
	Panel cut-out	68.0 <sup>+0.7</sup> x 32.0 <sup>+0.6</sup> 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 <sup>2</sup>
<b>Display</b>	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	
<b>Measuring input</b>	Measuring span	0...1.1 kΩ, 0...11 kΩ, 0...110 kΩ, 0...1100 kΩ
	Measuring range	0...1 kΩ, 0...10 kΩ, 0...100 kΩ, 0...1000 kΩ
	Measuring error	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	
<b>Output</b>	Relay	with change-over contact 250 V / 5 AAC, 30 V / 5 VDC
	Switching cycles	30 * 10 <sup>3</sup> with 5 AAC, 5 ADC ohm resistive load 10 * 10 <sup>6</sup> mechanically Diversity according to DIN EN50178 / Characteristics according to DIN EN60255
<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	0 to +60°C
	Storing temperature	-20 to +80°C
	Climatic density	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:



• Product key

	IM	1-	6	V	R	4	B.	0	8	0	6.	7	7	0	x	D
<b>Basic type M-line</b>																<b>Dimension</b>
<b>Installation depth</b>																<input type="checkbox"/> D physical unit (free selectable)
100 mm incl. plug-in terminal																<b>Version</b>
	<input type="checkbox"/> 1															<input type="checkbox"/> x Internal version
<b>Housing size</b>																<b>Switching points</b>
72x36x71 mm (BxHxD)	<input type="checkbox"/> 6															<input type="checkbox"/> 0 no switching points
<b>Display type</b>																<input type="checkbox"/> 2 2 relay outputs
Ohm	<input type="checkbox"/> V															<b>Protection class</b>
<b>Display colours</b>																<input type="checkbox"/> 1 without keypad, operation via PM-TOOL
Blue	<input type="checkbox"/> B															<input type="checkbox"/> 7 IP65 / plug-in terminal
Green	<input type="checkbox"/> G															<b>Supply voltage</b>
Red	<input type="checkbox"/> R															<input type="checkbox"/> 5 230 VAC
Orange	<input type="checkbox"/> Y															<input type="checkbox"/> 7 24 VDC galv. isolated
<b>Number of digits</b>																<b>Measuring input</b>
4-digit	<input type="checkbox"/> 4															<input type="checkbox"/> 6 Resistance
<b>Digit height</b>																<b>Analog output</b>
14 mm	<input type="checkbox"/> B															<input type="checkbox"/> 0 none
<b>Digital input</b>																<b>Resistance values</b>
none	<input type="checkbox"/> 0															<input type="checkbox"/> 8 1 k $\Omega$
																<input type="checkbox"/> 5 10 k $\Omega$
																<input type="checkbox"/> 6 100 k $\Omega$
																<input type="checkbox"/> 7 1000 k $\Omega$