

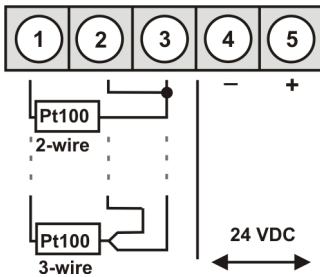
# IM1 – 4-digit digital panel meter in 48x24 mm (BxH) Pt100 2-/3-wire -200°C ... 850°C/-328°F...1562°F

- 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
- displayed in °C or °F
- display flashing at threshold exceedance / undercut
- navigation keys for the recall of min/max-values or for limit value corrections during operation
- impedance matching
- 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



**ORDERING NUMBER**                      **EUR**  
(without options)

## • Pt100 2-/3-wire -200°C ... 850°C/-328°F...1562°F



Supply 24 VDC

**IM1-7TR4A.030C.770xD**                      **167.30**

## • Product key options

IM	1-	7	T	R	4	A.	0	3	0	C.	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. °F.

## • Parameterisation software

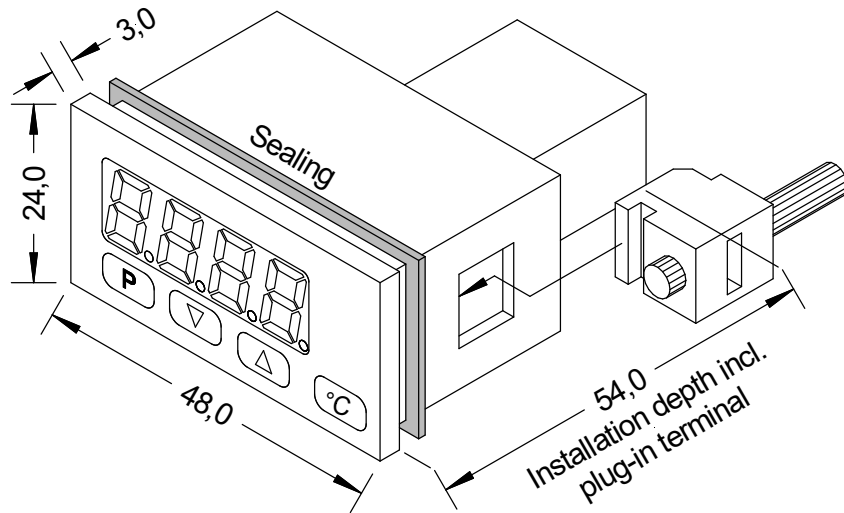
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming happens via an interface on the back.

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

• **Technical data**

<b>Dimension</b>	Housing	B48xH24xD27 mm (including plug-in terminal D= 54 mm)
	Panel cut-out	45.0 <sup>+0.8</sup> x 22.2 <sup>+0.6</sup> 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
<b>Display</b>	Connection	plug-in terminal; line cross-section up to 2.5 mm <sup>2</sup>
	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	
<b>Measuring input</b>	Display time/ Measuring time	0.1 to 10.0 seconds
	Span	-200°C...850°C / -328°F...1562°F
	Measuring fault	0.1% of measuring range, ± 1 Digit
	Temperature drift	100 ppm/K
	Measuring time	0.1 ... 10.0 seconds
	Measuring principle	U/F-conversion
	Resolution	approx. 0.1°C or 0.1°F
<b>Power pack</b>	Supply	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 year's 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:**



• Order key

	IM	1-	7	T	R	4	A.	0	3	0	C.	7	7	0	x	D	
<b>Basic type M-Line</b>																	<b>Operation</b> D physical unit (free selectable)
<b>Installation depth</b> 54 mm, incl. plug-in terminal																	<b>Version</b> x internal version
<b>Housing size</b> 48x24x27 mm (BxHxD)																	<b>Switching points</b> 0 no switching point
<b>Display type</b> Temperature																	<b>Protection class</b> 1 without keypad, operation via PM-TOOL 7 IP65 / plug-in terminal
<b>Display colours</b> Blue Green Red Orange																	<b>Supply voltage</b> 7 24 VDC galv. isolated
<b>Number of digits</b> 4-digit																	<b>Measuring input</b> C Pt100
<b>Digit height</b> 10 mm																	<b>Analog output</b> 0 without
<b>Digital input</b> without																	<b>Pt100 type</b> 3 Pt100 2-/3-wire