

IM1 – 4-digit digital panel meters in 72x36 mm (BxH)

Standard signals 0/4-20 mA, 0-10 VDC; optional 50 VDC, 100 VDC

- red display with -1999...9999 digits (optional green, orange or blue displays)
- installation depth: 100 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 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



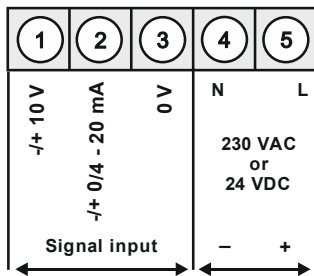
ORDER NUMBER **EUR**
(without options)

• Direct current, direct voltage

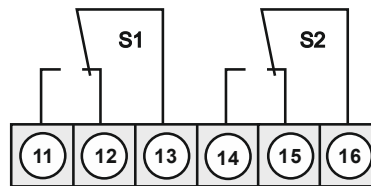
Supply 230 VAC **IM1-6VR4B.0001.570xD** **185.30**

Supply 24 VDC **IM1-6VR4B.0001.770xD** **195.90**

For further voltage inputs see options!



Option:



• Product key options

IM	1-	6 V	R	4 B.	0 0 0	1.	5 7 0 x D	EUR
IM	1-	6 V	R	4 B.	0 0 0	1.	7 7 0 x D	
							S100 to 100 VDC, measuring error 0.5% of final value	47.70
							S260 to 50 VDC, measuring error 0.5% of final value	15.90
						2	2 relay outputs	31.80
						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

State physical unit by order, e.g. m/min!

• Parameterisation software

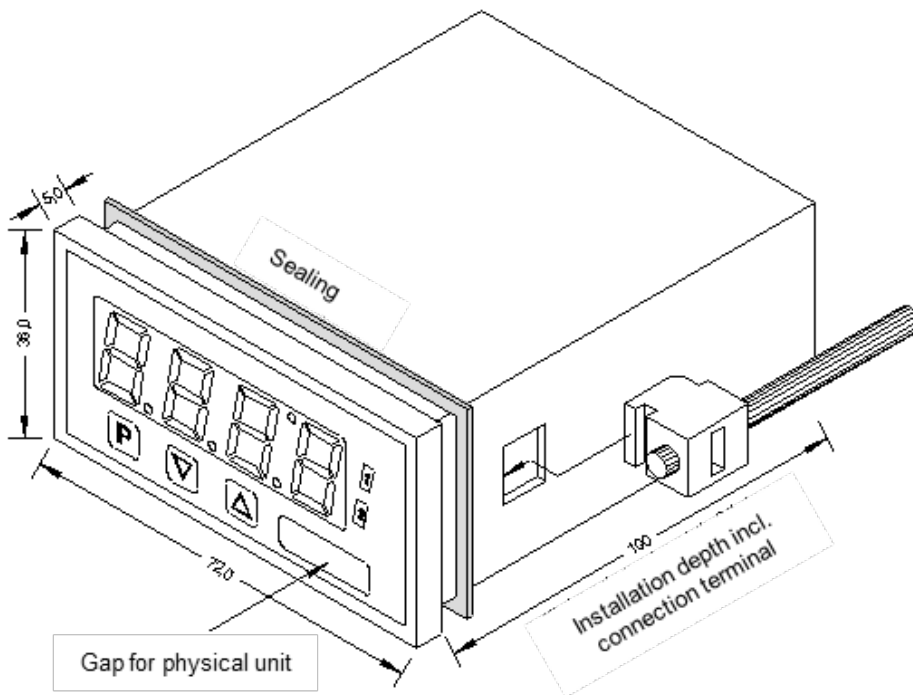
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming happens via an interface on the back.

PM-TOOL-MUSB4 **94.30**

• Technical data

Dimensions	Housing	B72 x H36 x D71 mm, (incl. plug-in terminal D = 100 mm)	
	Panel cut-out	68.0 ^{+0.7} x 32.0 ^{+0.6} 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	
Display	Connection	plug-in terminal; wire 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	
	Range of display	-1999 to 9999	
	Threshold values	optical display flashing	
	Overflow	horizontal bars at the top	
Measuring input	Underflow	horizontal bars at the bottom	
	Display time/Meas. time	0.1 to 10.0 seconds	
	Measuring span	-12...12 V	/ -22...24 mA
	Measuring range	0-10 VDC	/ 0/4-20 mA
	Input resistance	Ri with ~200 kΩ	/ Ri with ~100 Ω
	Measuring error	0.1% of measuring range, ± 1 digit / 0.1% of measuring range, ± 1 digit	
	Temperature drift	100 ppm/K	
Measuring time	0.1 ... 10.0 seconds		
Output	Measuring principle	U/F-conversion	
	Resolution	approx. 18 bit at 1 sec measuring time	
	Relay	with change-over contact 30 VDC/AV, max. 2 A resistive load	
Power pack	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:



• Product key

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