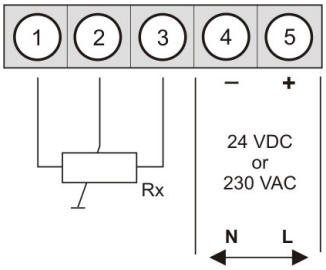
IM1 – 4-digit digital panel meter in 96x48 mm (BxH)
Potentiometer >1 kΩ … <100 kΩ

- 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 USB adapter
- on request: devices for working temperatures of -40°C…+70°C

	ORDER NUMBER (without options)	EUR

• Potentiometer >1 kΩ … <100 kΩ



Supply 230 VAC	**IM1-1VR4B.0005.570xD**	**156.70**
Supply 24 VDC	**IM1-1VR4B.0005.770xD**	**169.40**

• Product key options

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

		EUR
D	Dimension/physical unit, customer-specific settings	20.00
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. %.

• Parameterisation software

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

PM-TOOL-MUSB4 **94.30**

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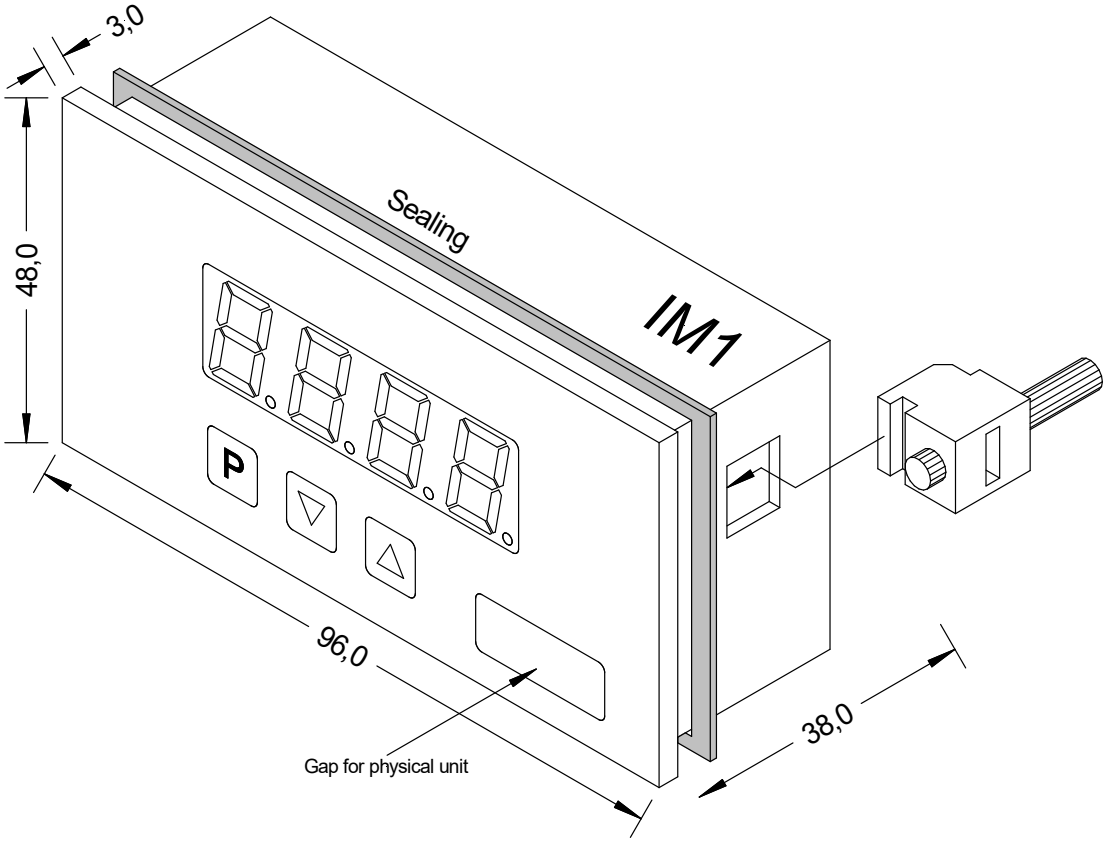
• Technical data

Dimension	Housing	B96xH48xD25 mm (including plug-in terminal D= 38 mm)
	Panel cut-out	$92.0^{+0.8}$ x $45.0^{+0.6}$ 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
	Connection	plug-in terminal; line cross-section up to 2.5 mm^2
Display	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
	Underflow	horizontal bars at the bottom
	Display time/	
	Measuring time	0.1 to 10.0 seconds
Measuring input	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
	Measuring principle	U/F-conversion
	Resolution	approx. 18 bit at 1 sec measuring time
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:



• Ordering code

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

Basic type M-Line

Installation depth

38 mm incl. plug-in terminal [1]

Housing size

96 x 48 x 25 mm (BxHxD) [1]

Display type

Potentiometer [V]

Display colours

Blue [B]
Green [G]
Red [R]
Yellow [Y]

Number of digits

4-digit [4]

Digit height

14 mm [B]

Digital input

without [0]

Dimension

[D] physical unit

Version

[x] internal version

Switching points

[0] no switching points

Protection class

[1] without keypad, operation via PM-TOOL
[7] IP65 / plug-in terminal

Supply voltage

[5] 230 VAC
[7] 24 VDC galv. isolated

Measuring input

[5] >1 kOhm … >1000 kOhm

Analog output

[0] without

Sensor supply

[0] without

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