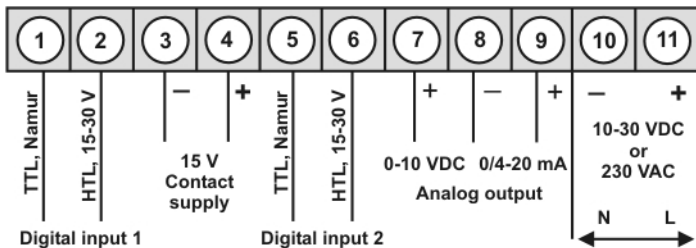


## IM2 – 5-digit panel meter in 96x48 mm (BxH) setpoint generator

- red display of -19999...99999 digits (optional green, orange, or blue display)
- minimal installation depth: 70 mm without plug-in terminal
- definable setting for the setpoint
- configurable output area between 0...10 V or 0...20 mA
- adjustable increment per press
- display flashing at threshold exceedance / undercut
- digital inputs for key switch or external adjustment buttons
- zero button for quick retrieval of a default value
- configurable as a code for the setpoint adjustment protection
- different operation variants for the control set point
- optional startup behaviour with last setting or default value
- optional speed settings for adjusting the setpoint
- quick response when changing the default value (ramp 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 demand: devices for working temperatures of -25°C...60°C or -40°C...80°C



### • Setpoint device



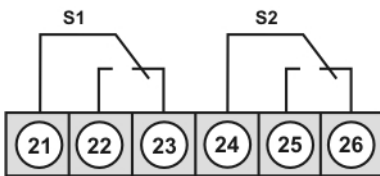
Supply 230 VAC

Supply 10-30 VDC

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

**IM2-1GR5B.00X0.570CD**      275.30

**IM2-1GR5B.00X0.670CD**      354.80



Relay option

### • Product key options

IM	2-	1	G	R	5	B.	0	0	X	0.	5	7	0	C	D
IM	2-	1	G	R	5	B.	0	0	X	0.	6	7	0	C	D

2	2 relay outputs	31.80
1	Without keypad, operation on the back	10.60
4	Voltage supply 115 VAC	10.90
B	Blue	46.60
G	Green	10.10
Y	Orange	10.10

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

**ORDER NUMBER**      **EUR**

### • Parameterisation software

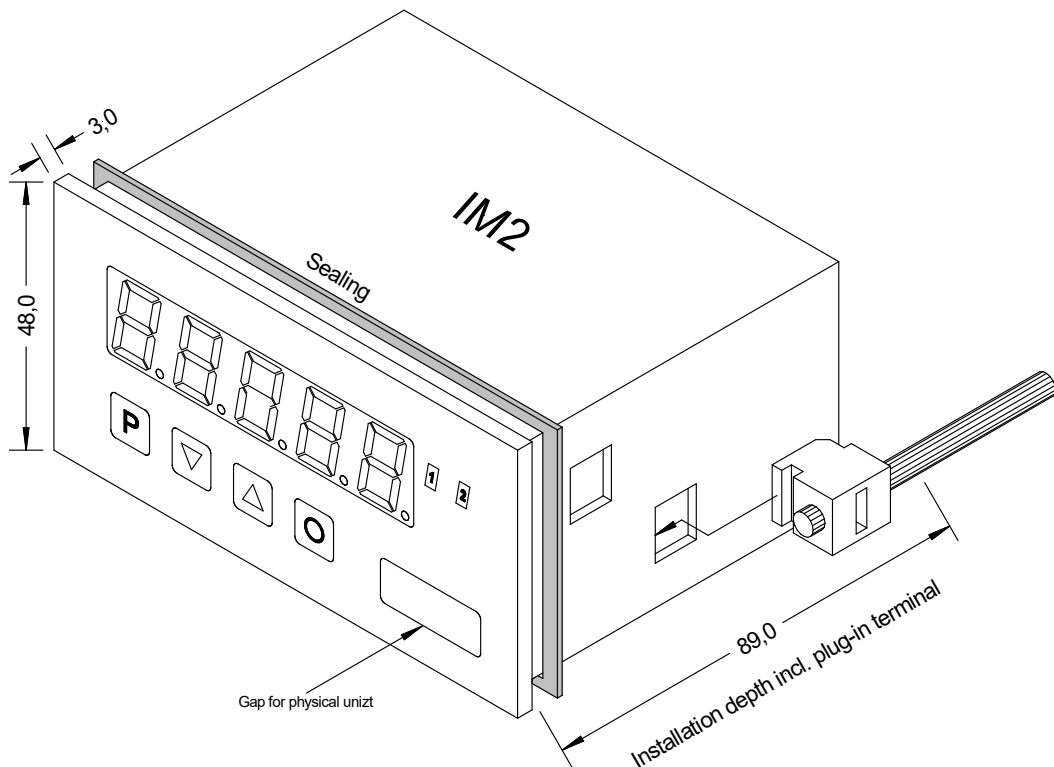
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming happens via an interface on the back.

**PM-TOOL-MUSB4**      **94.30**

## • Technical data

<b>Dimensions</b>	Housing	B96 x H48 x D70 mm, (with plug-in terminal D= 89 mm)
	Panel cut-out	92.0 <sup>+0.8</sup> x 45.0 <sup>+0.6</sup> mm
	Fixing	screw elements for wall thicknesses up to 3 mm
	Housing material	PC Polycarbonate, black
	Sealing material	EPDM, 65 Shore, black
	Protection class	IP065 at the front (Standard) IP00 at the back side
	Weight	approx. 250 g
	Connection	plug-in terminal; wire-cross section up to 2.5 mm <sup>2</sup>
<b>Display</b>	Display	5-digit
	Digit height	14 mm
	Segment colour	red (Standard), optional available in green, orange or blue
	Range of display	-19999 to 99999
	Limit values	optical display flashing
	Overflow	horizontal bars at the top
	Underflow	horizontal bars at the bottom
<b>Digital input</b>	2 digital inputs (galv. insulated)	HTL: < 2.4 V OFF; >10 V ON; max. 30 VDC TTL-Level: > 4.6 V / < 1.9 V, Namur
	Input resistance	Ri at ~5 kΩ
<b>Output</b>	Relay	with change-over contact 250 V / 5 AAC, 30 V / 5 ADC
	Switching cycle	30 * 10 <sup>3</sup> at 5 AAC, A ADC ohm resistive burden 10 * 10 <sup>6</sup> mechanically Separation in accordance with DIN EN 50178 / Specifications in accordance with DIN EN 60255
	Analog output Contact supply	0-10 VDC/ burden ≥ 10 kΩ, 0/4-20 mA burden ≤ 500 Ω, 16 bit 15 VDC / 10 mA
<b>Power pack</b>	Supply	230 VAC 50/60 Hz ±10 % (max. 10 VA) 10-30 VDC, galvanically isolated (max. 4 VA)
<b>Memory</b>	EEPROM	Data retention ≥ 100 years at 25°C
<b>Ambient conditions</b>	Working temperature	0 to +50°C
	Storing temperature	-20 to +80°C
	Climatic density	relative humidity 0-85% on years average without dew
<b>CE-sign</b>	Conformity in accordance with 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 code

		IM	2-	1	G	R	5	B.	0	0	X	0.	6	7	0	C	D		
<b>Standard type M-Line</b>																			
<b>Installation depth</b> 89 mm (incl plug-in terminal)																		<b>Dimension</b> D physical unit (free selectable)	
<b>Housing size</b> 96x48x70 mm (BxHxD)																		<b>Version</b> C C	
<b>Type of display</b> Setpoint device																		<b>Switching points</b> 0 no switching point 2 2 relay outputs	
<b>Display colours</b> Blue Green Red Orange																		<b>Protection class</b> 1 without keypad, operation via PM-TOOL 7 IP65 / plug-in terminal	
<b>Number of digits</b> 5-digit																		<b>Supply voltage</b> 4 115 VAC 5 230 VAC 6 10-30 VDC galv. isolated	
<b>Digit height</b> 14 mm																		<b>Measuring input</b> 0 without	
<b>Digital input</b> 2 digital inputs (Standard)																		<b>Analog output</b> X 0-10 VDC, 0/4-20 mA	
																		<b>Sensor supply</b> 0 without	