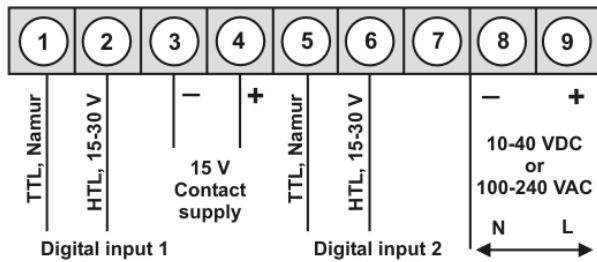


# M3 – 5-digit panel meter in 96x48 mm (BxH) setpoint generator with setpoint query via Profibus

- red display of -19999...99999 digits (optional green, orange, or blue display)
- minimal installation depth: 120 mm without plug-in terminal
- definable setting for the setpoint
- setpoint query via Profibus DP
- 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
- accessories: pc-based configuration-kit PM-TOOL with USB adapter
- on demand: devices for working temperatures of -20°C...70°C



## • Setpoint device



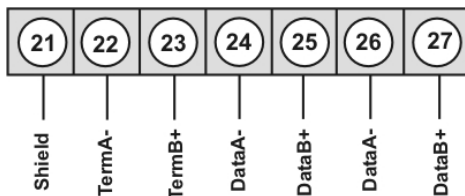
Supply 100-240 VAC, DC ± 10%

Supply 10-40 VDC, 18-30 VAC

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

**M3-1GR5B.9000.S70BD**    550.70

**M3-1GR5B.9000.W70BD**    571.90



## • Product key options

M	3-	1	G	R	5	B.	9	0	0	0.	S	7	0	x	D
M	3-	1	G	R	5	B.	9	0	0	0.	W	7	0	x	D

EUR

D	Dimension/physical unit, customer-specific settings	20.00
1	Without keypad, operation via parameterisation software	10.60
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

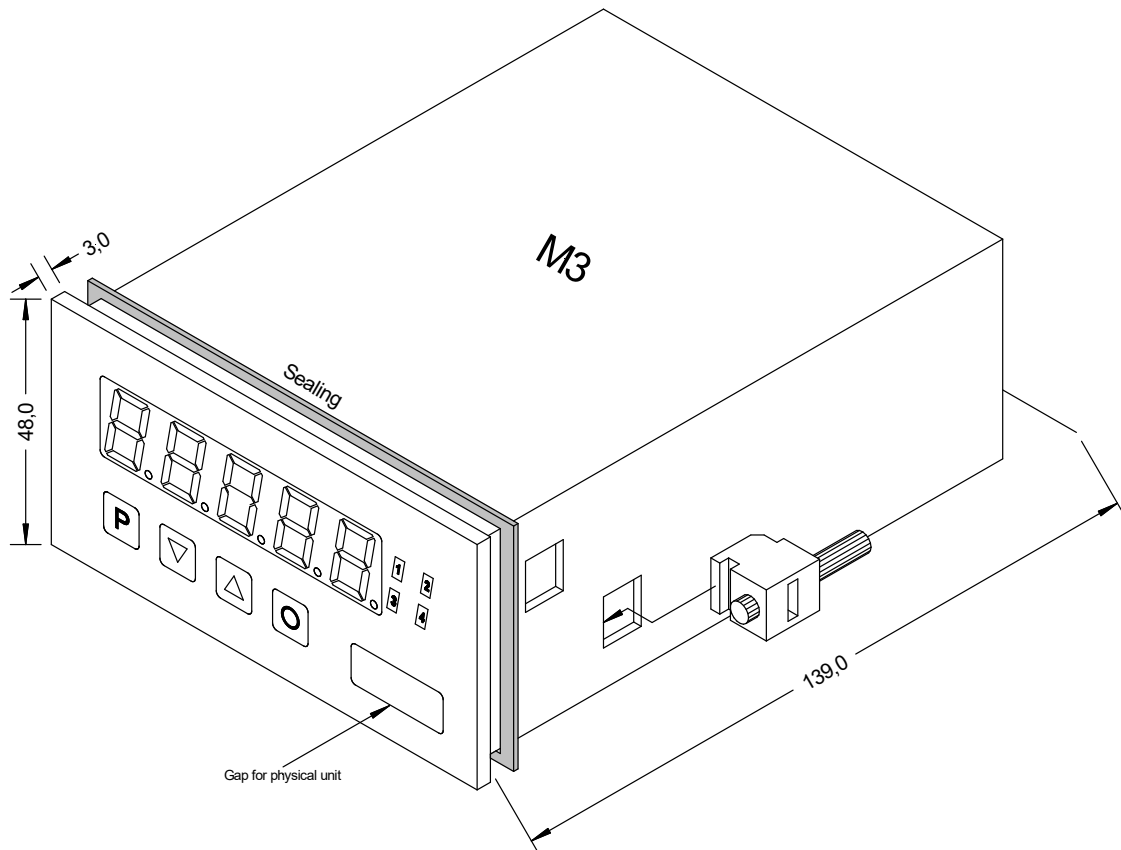
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. USB-adapter. Programming happens via an interface on the back.

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

## • Technical data

<b>Dimensions</b>	Housing	B96 x H48 x D120 mm, (with plug-in terminal D= 139 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 15 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. 350 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
<b>Digital input</b>	2 digital inputs (galv. isolated)	HTL: < 2.4 V OFF; >10 V ON; max. 30 VDC
	Input resistance	TTL-Level: > 4.6 V / < 1.9 V, Namur Ri at ~5 kΩ
	Output	Contact supply 15 VDC / 10 mA
<b>Interface</b>	Protocol	Profibus DP
	Baudrate	autobaud detection up to 12 Mbaud
	Interface	RS485
	Wire length	max. 1000m
	Bus termination Termination	pull-up/-down according to EN 50170 via plug-in terminal
<b>Power pack</b>	Supply	100-240 VAC 50/60 Hz, DC ±10% (max. 15 VA) 10-30 VDC, galvanic isolated, 18-30 VAC 50/60 Hz (max. 15 VA)
	Memory	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

	M	3-	1	G	R	5	B.	9	0	0	0.	S	7	0	B	D	
<b>Standard type M-Line</b>																	<b>Dimension</b>
																	<input type="text" value="D"/> physical unit
<b>Installation depth</b>																	<b>Version</b>
139 mm (incl plug-in terminal)			<input type="text" value="3"/>														<input type="text" value="B"/> B
<b>Housing size</b>																	<b>Switching points</b>
96x48x120 mm (BxHxD)			<input type="text" value="1"/>														<input type="text" value="0"/> no switching point
<b>Type of display</b>																	<b>Protection class</b>
Setpoint device				<input type="text" value="G"/>													<input type="text" value="1"/> without keypad, operation via PM-TOOL
<b>Display colours</b>																	<input type="text" value="7"/> IP65 / plug-in terminal
Blue					<input type="text" value="B"/>												<b>Supply voltage</b>
Green					<input type="text" value="G"/>												<input type="text" value="S"/> 100-240 VAC
Red					<input type="text" value="R"/>												<input type="text" value="W"/> 10-40 VDC galv. isolated
Orange					<input type="text" value="Y"/>												<b>Measuring input</b>
<b>Number of digits</b>																	<input type="text" value="0"/> without
5-digit																	<b>Analog output</b>
<b>Digit height</b>																	<input type="text" value="0"/> without
14 mm																	<b>Sensor supply</b>
<b>Interface</b>																	<input type="text" value="0"/> without
Profibus DP																	<input type="text" value="9"/>