Digital panel meter – setpoint device
5-digit

M2

- red display of -19999…99999 digits (optional green, orange, blue or tricolour display)

- minimal installation depth: 70 mm without plug-in terminal

- display flashing at threshold exceedance / undercut

- definable setting for the setpoint

- configurable output area between 0…10 V or 0…20 mA

- adjustable increment per press

- 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 two relay outputs (change-over contact)

- accessories: PC-based configuration software PM-TOOL

Digital panel meter

- Setpoint device

ORDER NUMBER   **EUR**
(without options)

• *Setpoint device*
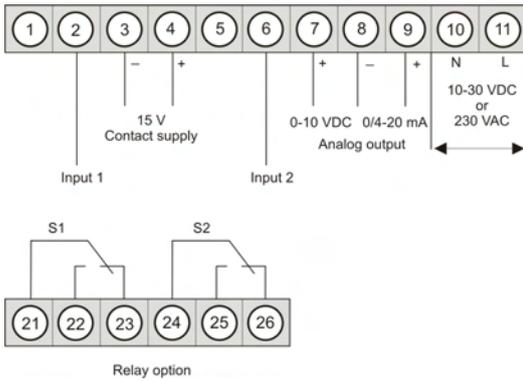
Supply 230 VAC	**M2-1GR5B.00X0.570AD** 260,00
Supply 10-30 VDC	**M2-1GR5B.00X0.670AD** 330,00

Product key options:

M	2-	1	G	R	5	B.	0	X	0	0.	5	7	0	A	D
M	2-	1	G	R	5	B.	0	X	0	0.	6	7	0	A	D

		EUR
2	2 relay outputs	30,00
1	Without keypad, operation on the back	on demand
B	Blue	44,00
G	Green	10,00
Y	Orange	4,00

• *Accessories*

Parametrisation software Incl. USB-cable and device adapter Programming is made via an interface on the back	**PM-TOOL-MUSB6**	89,00

**Connection examples:**

External set up button -/+

Advice: Please pay attention to the selected input level *IN.LEV* !
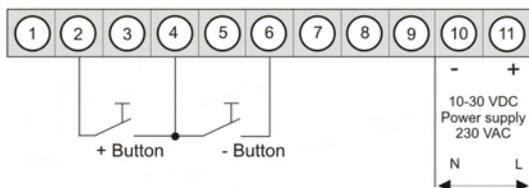
Set up lock for default value
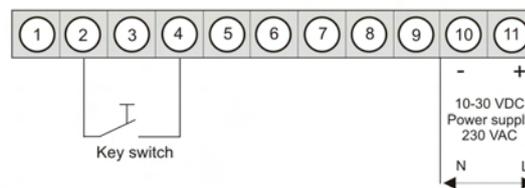
Advice: Please pay attention to the selected input level *IN.LEV* !

Technical data

Dimensions	Housing	B96 x H48 x D70 mm, (with plug-in terminal D= 89 mm)
	Panel cut-out	$92.0^{+0.8}$ x $45.0^{+0.6}$ mm
	Fising	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. 200 g
	Connection	plug-in terminal; wire-cross section up to 2.5 mm^2
Display	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
	Display time	0.1 to 10.0 seconds
Measuring input		
M2-1GR5B.00X0…	2 digital inputs	High/Low-Level: > 10 V / < 6 V – U_{in} max. 30 V
Setpoint device		TTL-Level: > 4.6 V / < 1.9 V
	Input resistance	Ri at ~5 kΩ
Output		
	Relay	with change-over contact 250 V / 2 AAC, 30 V / 2 ADC
	Switching cycle	$0.5 * 10^5$ at max. contact load
		$5 * 10^6$ mechanically
		Separation in accordance with DIN EN 50178 / Specifications in accordance with DIN EN 60255
	Analog output	0-10 VDC, 0/4-20 mA (16 Bit) switchable
	Contact supply	15 VDC / 10 mA
Power pack	Supply	230 VAC +/- 10 % (max. 10 VA)
		10-30 VDC +/- 10 %, galvanic insulated (max. 4 VA)
Memory	EEPROM	
	Data retention	≥ 100 years
Ambient conditions	Working temperature	0 to + 50 °C
	Storing temperature	-20 to + 80 °C
	Climatic density	relative humidity 0-85% on years average without dew
CE-sign	Conformity in accordance with directive 2004/108/EG	
EMV	EN 61326	
Safety standard	EN 61010	

Housing:

48,0

3,0

M2

Sealing

89,0

Installation depth incl. plug-in terminal

Gap for physical unizt
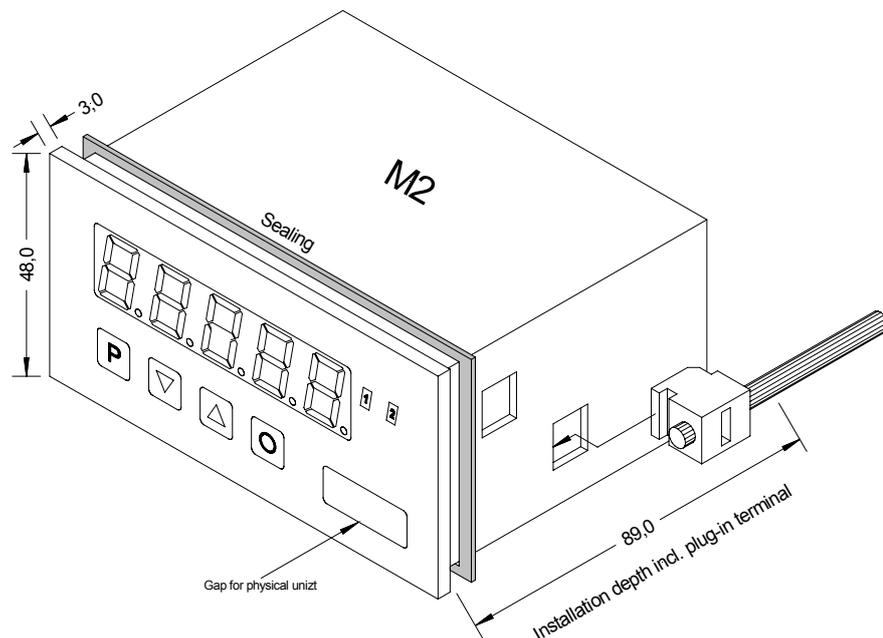
Order code M2 – digital device standard

| | M | 2- | 1 | G | R | 5 | B. | 0 | 0 | X | 0. | 6 | 7 | 0 | A | D | |

Standard type M-Line

Installation depth
89 mm (incl plug-in terminal) | 2

Housing size
96 x 48 x 70 mm (BxHxD) | 1

Type of display
Setpoint device | G

Display colours
Blue | B
Green | G
Red | R
Orange | Y

Number of digits
5-digit | 5

Digit height
14 mm | B

Digital input
2 (Standard) | 0

Sensor supply
without | 0

Dimension
D | physical unit

Version
A | A

Setpoints
0 | no setpoint
2 | 2 relay outputs

Protection class
1 | Without keypad, operation on the back
7 | IP65 / plug-in terminal

Supply voltage
4 | 115 VAC plus 10,25€
5 | 230 VAC
6 | 10-30 VDC galv. insulated

Measuring input
0 | without

Analog output
X | 0-10 VDC, 0/4-20 mA