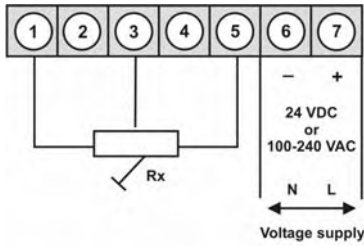




M3 – 5-digit digital panel meter in 48x24 mm (BxH) Potentiometer 0-100 % (>1 k Ω ... <1000 k Ω)

- red display from -19999...99999 digits (optional green, orange or blue display)
- installation depth: 90 mm without plug-in terminal
- multi voltage power supply unit 100-240 VAC
- adjustment via factory default or directly on the sensor signal
- min/max-memory with adjustable permanent display
- 30 additional adjustable setpoints
- display flashing at threshold exceedance / threshold undershooting
- navigation keys for the triggering of Hold, Tara, display change, setpoint setting, alarm actuator
- flexible alarm system with adjustable delay times
- volume measuring (totaliser)
- mathematical functions like reciprocal value, square root, square, rounding
- constant setting / setpoint setting
- sliding averaging
- brightness control via parameter or front keys
- programming interlock via access code
- protection class IP65 at the front
- pluggable screw terminal
- optional: 2 PhotoMos-outputs
- optional: 1 independently scalable analog output
- optional: galv. isolated digital input for the triggering of Tara, Hold, display change
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on demand: devices for working temperatures of -20°C...50°C or -40°C...70°C without condensation

• Potentiometer 0-100 % (>1 kΩ ... <1000 kΩ)



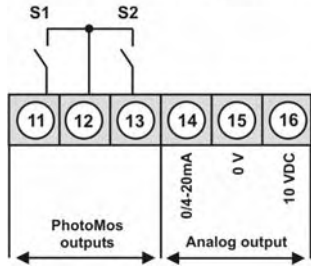
Supply 24 VDC

M3-7VR5A.0005.770BD

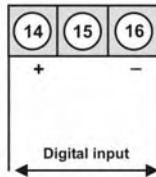
Supply 100-240 VAC, DC ± 10 %

M3-7VR5A.0005.S70BD

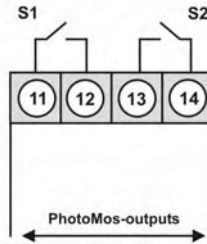
Options: device with a supply of 24 VDC



alternative for analog output



Options: device with a supply of 100-240 VAC



• Product key options: devices with a supply of 24 VDC

M 3- 7 V R 5 A. 0 0 0 5. 7 7 0 B D

EUR

2	2 PhotoMos outputs
1	Without keypad, operation on the back side
X	Analog output 0/4-20 mA, 0-10 VDC galvanic isolated
I	Digital input galvanic isolated
B	Blue
G	Green
Y	Orange

• Product key options: devices with a supply of 100-240 VAC

M 3- 7 V R 5 A. 0 0 0 5. S 7 0 B D

EUR

2	2 PhotoMos outputs
1	Without keypad, operation on the back side
B	Blue
G	Green
Y	Orange

Please state physical unit on demand in your order, e.g. bar.

• Parameterisation software

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

PM-TOOL-MUSB4

• **Technical data**

Housing dimension	Housing	B48 x H24 x T90 mm, (with plug-in terminal D= 109 mm)
	Panel cut-out	45.0 ^{+0.6} x 22.2 ^{+0.3} mm
	Fixing	screw elements for wall thicknesses up to 5 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
Connection	plug-in terminal; wire cross section up to 2.5 mm ²	
Display	Display	5-digit
	Digit height	10 mm
	Segment colour	red (Standard), optional available in green, orange and blue
	Display range	-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	Span	>1 kΩ ... <1000 kΩ
	Measuring range	0-100 %
	Measuring fault	0.2% 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 1second measuring time
Output	PhotoMos	Closer contacts: 30 VDC/AC, 0.4 A
	Analog output	0-10 VDC / burden ≥ 10 kΩ, 0/4-20 mA / burden ≤ 500 Ω, 16 Bit
Digital input	Input galv. insulated	<2.4 V OFF; 10 V ON; max. 30 VDC, R _i ~ 5 kΩ
Power pack	Supply	100-240 VAC 50/60 Hz / DC ± 10% (max. 5 VA)
		24 VDC ± 10%, galvanic isolated (max. 4 VA)
Memory	EEPROM	Data life ≥ 100 years at 25°C
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 to directive 2004/108/EG	
EMV	EN 61326, EN 55011	
Safety standard	According to low voltage directive 2006/95/EG	
	EN 61010; EN 60664-1	

Housing:

