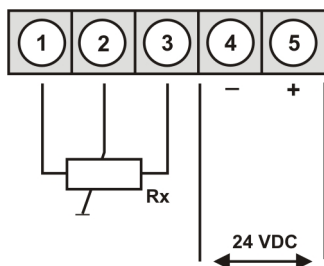


M1 – 4-digit digital panel meter in 48x24 mm (BxH) Potentiometer >1 kΩ...<1000 kΩ

- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 27 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min/max-value recording
- 10 adjustable supporting points
- display flashing at threshold exceedance / undercut
- navigation keys for the recall of min/max-values or for 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 demand: devices for working temperatures of -40°C...+70°C



• Potentiometer >1 kΩ...<1000 kΩ



Supply 24 VDC

ORDERING NUMBER
(without options)

EUR

M1-7VR4A.0005.770xD

158.90

• Product key options

| M | 1 | 7 | V | R | 4 | A | 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 |
| | | | | | | | | | | | | | | | B | Blue | 35.00 |
| | | | | | | | | | | | | | | | G | Green | 10.10 |
| | | | | | | | | | | | | | | | Y | Orange | 10.10 |

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.

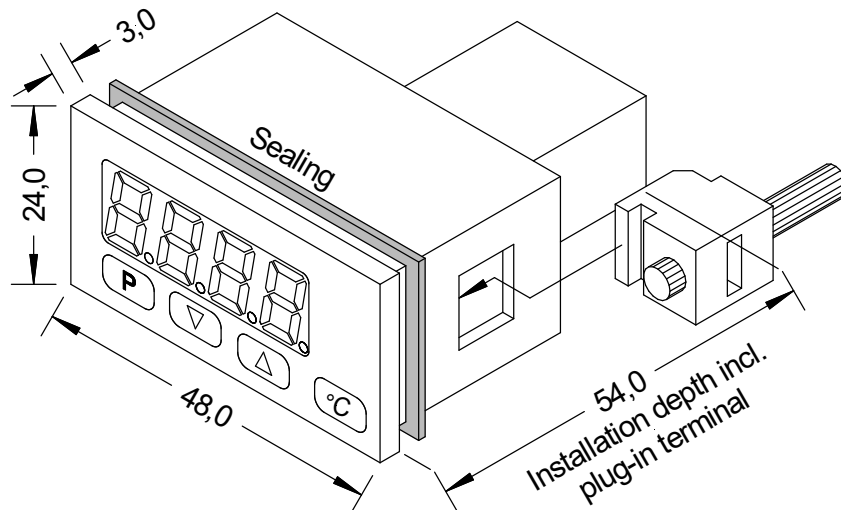
PM-TOOL-MUSB4

94.30

• Technical data

| | | |
|---------------------------|---|--|
| Dimension | Housing | B48xH24xD27 mm (including plug-in terminal D= 54 mm) |
| | Panel cut-out | 45.0 ^{+0.8} x 22.2 ^{+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 | 10 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 | 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:



• Order key

| | M | 1- | 7 | V | R | 4 | A. | 0 | 0 | 0 | 5. | 7 | 7 | 0 | x | D |
|--|---|----|---|---|---|---|----|---|---|---|----|---|---|---|---|---|
| Basic type M-Line | | | | | | | | | | | | | | | | |
| Installation depth 54 mm, incl. plug-in terminal | | | | | | | | | | | | | | | | Operation physical unit |
| Housing size 48x24x27 mm (BxHxD) | | | | | | | | | | | | | | | | Version internal version |
| Display type Ohm | | | | | | | | | | | | | | | | Switching points no switching point |
| Display colours Blue Green Red Orange | | | | | | | | | | | | | | | | Protection class without keypad, operation via PM-TOOL IP65 / plug-in terminal |
| Number of digits 4-digit | | | | | | | | | | | | | | | | Supply voltage 24 VDC galv. isolated |
| Digit height 10 mm | | | | | | | | | | | | | | | | Measuring input Potentiometer > 1 kOhm... < 1000 kOhm |
| Digital input without | | | | | | | | | | | | | | | | Analog output without |
| | | | | | | | | | | | | | | | | Sensor supply without |