Digital panel meter
4-digit

M1 – tricolour

- tricolour display of -1999…9999 digits (red, green, orange switchable via limit values)

- minimal installation depth: 25 mm without plug-in terminal

- min-/max-value recording

- 11 adjustable setpoints

- display flashing at threshold exceedance / undershooting

- tara-function

- zero point tranquilization

- programming interlock via access code

- protection class IP65 at the front

- plug-in terminal

- 2 relay outputs (change-over-contacts)

- accessories: PC-based configuration software PM-TOOL

Digital panel meter

- Tricolour (red, green, orange switchable)
- Direct current   • Direct voltage
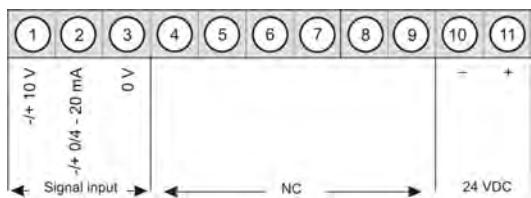
	ORDER NUMBER	EUR
	M1-1VT4B.0001.770BD	185,00
	M1-1VT4B.0001.772BD	198,00
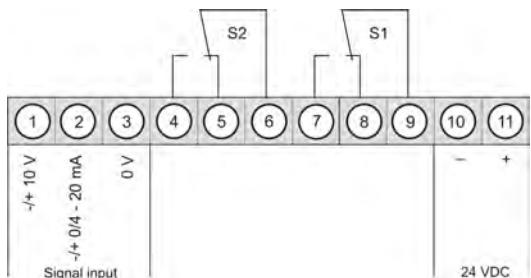
Product key options:

M	1-	1	V	T	4	B.	0	0	0	1.	7	7	0	B	D		EUR
M	1-	1	V	T	4	B.	0	0	0	1.	7	7	2	B	D		

1	Without keypad, operation on the back	on demand

- *Accessories*

Parametrisation software   **PM-TOOL-MUSB4**   89,00
Incl. USB-cable and device adapter
Programming is made via an interface on the back

Technical data

Dimension	Housing	B96xH48xD25 mm (including plug-in terminal D= 38 mm)
	Panel cut-out	$92.0^{+0.8}$ x $45.0^{+0.6}$ 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. 50 g
	Connection	plug-in terminal; line cross-section up to 2.5 mm^2

Display		
	Display	4-digit
	Digit height	14 mm
	Segment colour	tricolour (red, green, 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	-12…12 V	/ -22…24 mA
	Measuring range	0-10 V	/ 0/4-20 mA
	Input resistance	Ri at ~100 kΩ	/ Ri at ~100 Ω
	Measuring fault	0.1% of measuring range, ± 1 Digit	/ 0.1% 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 second measuring time	
	Outputs	2x relays change-over contacts 250 VAC / 2 A; 30 VDC, 2 A	

Power pack		
	Supply	24 VDC +/- 10 %, galvanic insulated (2 VA)
Memory	EEPROM	
	Data life	≥ 100 years

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 2004/108/EG

EMV	EN 61326

| Safety standard	EN 61010

Housing:

Gap for physical unit
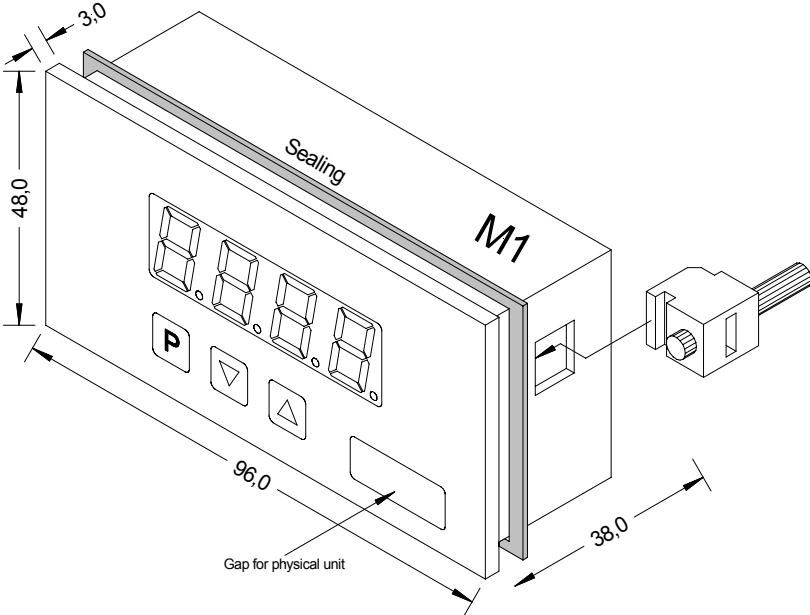
Ordering code M1

Digital display standard

M 1- 1 V T 4 B. 0 0 0 1. 7 7 2 B D

Basic type M-Line

Installation depth
| 45 mm incl. | 1 |
| plug-in terminal | |

Housing size
| 96 x 48 x 25 mm | 1 |
| (BxHxD) | |

Display type
| analog | V |

Display colours
| tricolour | T |

Number of digits
| 4-digit | 4 |

Digit height
| 14 mm | B |

Interface
| without | 0 |

Dimension
| D | physical unit |

Version
| B | B |

Setpoints
| 0 | no setpoints |
| 2 | 2 relay outputs |

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

Supply voltage
| 7 | 24 VDC galvanic insulated |

Measuring input
| 1 | direct current, direct voltage |

Analog output
| 0 | without |

Sensor supply
| 0 | without |

Connection pictures
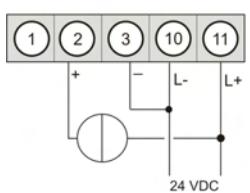
2-wire-sensor 4-20 mA   3-wire-sensor 0/4-20 mA   3-wire-sensor 0-10 V

96x48