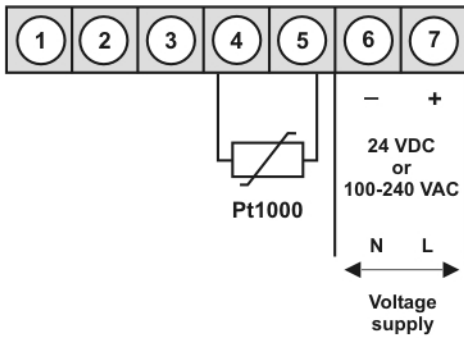




## IM3 – 5-digit digital panel meter in 48x24 mm (BxH) Pt1000 (2-wire) -200.0°C...850.0°C / -328.0°F...1562.0°F

- 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
- display flashing at threshold exceedance / threshold undershooting
- flexible alarm system with adjustable delay times
- 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
- accessories: pc-based configuration-kit PM-TOOL with USB adapter
- on request: devices for working temperatures of -20°C...50°C or -40°C...70°C without condensation

• **Pt1000 (2-wire) -200.0°C...850.0°C / -328.0°F...1562.0°F**



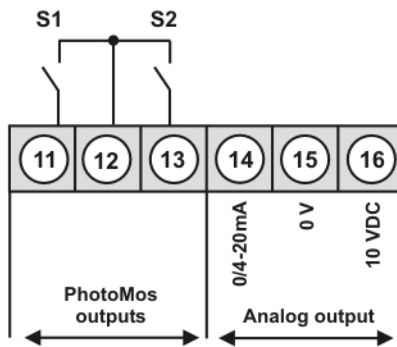
**Pt1000 2-wire**

Supply 24 VDC  
Supply 100-240 VAC, DC ± 10%

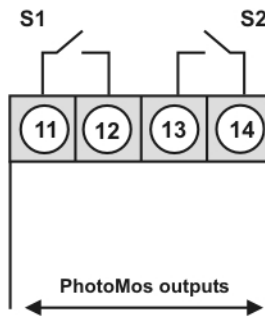
**IM3-7TR5A.060C.770xD**  
**IM3-7TR5A.060C.S70xD**

**248.90**  
**259.50**

**Options: device with 24 VDC supply**



**Options: device with 100-240 VAC supply**



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

IM	3-	7	T	R	5	A.	0	6	0	C.	7	7	0	x	D	EUR	
															D	Dimension/physical unit, customer-specific settings	20.00
															2	2 PhotoMos outputs	31.80
															1	Without keypad, operation via PC software PM-TOOL	10.60
															X	Analog output 0/4-20 mA, 0-10 VDC galv. isolated	127.10
															B	Blue	46.60
															G	Green	10.10
															Y	Orange	10.10

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

IM	3-	7	T	R	5	A.	0	6	0	C.	S	7	0	x	D	EUR	
															D	Dimension/physical unit, customer-specific settings	20.00
															2	2 PhotoMos outputs	31.80
															1	Without keypad, operation via PC software PM-TOOL	10.60
															B	Blue	46.60
															G	Green	10.10
															Y	Orange	10.10

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

• **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.

**ORDER NUMBER**

**EUR**

**PM-TOOL-MUSB4**

**94.30**

• **Technical data**

<b>Housing dimension</b>	Housing	B48 x H24 x T90 mm, (with plug-in terminal D= 109 mm)
	Panel cut-out	45.0 <sup>+0.6</sup> x 22.2 <sup>+0.3</sup> 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 <sup>2</sup>
<b>Display</b>	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	
<b>Measuring input</b>	Measuring range	-200.0...850.0°C / -328.0...1562.0°F
	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	0.1°C or 0.1°F
<b>Output</b>	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
<b>Power pack</b>	Supply	100-240 VAC 50/60 Hz / DC ±10% (max. 5 VA) 24 VDC ± 10%, galvanic isolated (max. 4 VA)
<b>Memory</b>	EEPROM	Data life ≥ 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 to 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:**

