



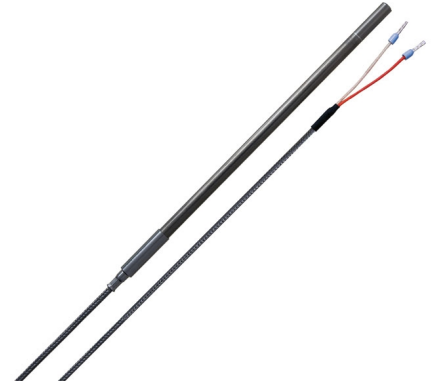
MWT/E

Mantle Resistance Thermometer

Measuring size: temperature

Output: passive sensor

Highlights: bendable mantle probe, installation length 100 up to 400 mm, short response time



Description

The MWT/E mantle resistance thermometer with bendable mantle probe measures the temperature from -70 up to +500°C in gasiform as well as liquid medium and is with Pt100/Pt1000 sensor available. The good heat transfer ensures a short response time, the vibration-resistant construction is for long life. The temperature probe can be easily mounted by immersion sleeve or compression fitting.

Technical Specifications

Measurement range temp.	-70...+500°C
Sensor	Pt100, Pt1000 (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Cable	2 m glass fibre/stainless steel netting (2x0,22 mm ² , max. +400°C) with core cable ends
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Installation length	100-400 mm
Material	Probe: stainless steel VA 1.4541
Dimensions	Mantle probe Ø 3 mm: change-over sleeve Ø 5x36 mm, Mantle probe Ø 6 mm: change-over sleeve Ø 7 x 36 mm
Protection type	IP54
Storage temperature	-20...+70°C
Installation	immersion sleeve, mounting flange, compression fitting (not in scope of delivery)
Approvals	CE, EAC, RoHS



Variants

Article Number			
Sensor	Cable	Diameter	Installation length
MWT/E-10/3.0/100-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	100 mm
MWT/E-10/3.0/200-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	200 mm
MWT/E-10/3.0/300-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	300 mm
MWT/E-10/3.0/400-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	400 mm
MWT/E-10/6.0/100-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	100 mm
MWT/E-10/6.0/200-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	200 mm
MWT/E-10/6.0/300-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	300 mm
MWT/E-10/6.0/400-2			
Pt100 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	400 mm
MWT/E-20/3.0/100-2			
Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	100 mm
MWT/E-20/3.0/200-2			
Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	200 mm
MWT/E-20/3.0/300-2			
Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	300 mm
MWT/E-20/3.0/400-2			



Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	3 mm	400 mm
MWT/E-20/6.0/100-2			
Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	100 mm
MWT/E-20/6.0/200-2			
Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	200 mm
MWT/E-20/6.0/300-2			
Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	300 mm
MWT/E-20/6.0/400-2			
Pt1000 (DIN EN 60751 Cl. B)	2 m glass fibre/stainless steel netting (2x0,22 mm ²)	6 mm	400 mm

Accessories

ZT/E

Immersion sleeve



MUD/E

Pt100 temperature transformer 0-10 V / 4-20 mA with double-PG housing





Dimensional Drawing

