



TF8/E

Immersion Temperature Sensor with M12 Plug Connector

Measuring size: temperature

Output: passive sensor

Highlights: Protection sleeve: Ø 6 mm, stainless steel



Description

The TF8/E immersion sensor with M12x1 plug connector measures the temperature in the range of -30 up to +90°C in gasiform as well as liquid medium and is with all current sensors available. With an optional mounting flange, immersion sleeve or compression clamp the temperature sensor can be directly mounted on ducts or pipes and replaced quickly and easily in case of service.

Technical Specifications

Measurement range temp.	-30...+90°C
Sensor	Pt100, Pt1000 (other on request)
Circuit type	4-wire connection
Measurement current	approx. 1 mA
Electrical connection	M12 plug connector
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Installation length	50-400 mm
Material	Protection sleeve: stainless steel VA 1.4571
Dimensions	Protection sleeve: Ø 6 mm
Protection type	IP65
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	Temperature	Installation length
TF8/E-10/050		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	50 mm
TF8/E-10/100		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	100 mm
TF8/E-10/150		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	150 mm
TF8/E-10/200		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	200 mm
TF8/E-10/250		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	250 mm
TF8/E-10/300		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	300 mm
TF8/E-10/350		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	350 mm
TF8/E-10/400		
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	400 mm
TF8/E-20/050		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	50 mm
TF8/E-20/100		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	100 mm
TF8/E-20/150		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	150 mm
TF8/E-20/200		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	200 mm
TF8/E-20/250		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	250 mm
TF8/E-20/300		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	300 mm
TF8/E-20/350		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	350 mm
TF8/E-20/400		
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	400 mm



Accessories



DT/G
Digital display



KV/E
Compression Clamp



ZT/E
Immersion sleeve



MFL/E
Mounting flange



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



TH3/Z
Immersion sleeve with compression clamp



Dimensional Drawing

M12x1

SW14

