



## TF7/E

### Immersion Temperature Sensor with Plug Connector DIN EN 175301

Measuring size: temperature

Output: passive sensor

Highlights: angular connector according to DIN EN 175301-803 C



## Description

The TF7/E immersion sensor with plug connector measures the temperature in the range of -30 up to +180°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 mounted directly e.g. on ducts or pipes and replaced quickly and easily in case of service.

## Technical Specifications

Measurement range temp.	-30...+180°C
Sensor	Pt100, Pt1000 (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Electrical connection	angular connector according to DIN EN 175301-803 C
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Cable gland	M16x1,5 high-strength cable gland with strain relief
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

<b>Article Number</b>		
Sensor	Temperature	Installation length
<b>TF7/E-10/050</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	50 mm
<b>TF7/E-10/100</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	100 mm
<b>TF7/E-10/150</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	150 mm
<b>TF7/E-10/200</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	200 mm
<b>TF7/E-10/250</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	250 mm
<b>TF7/E-10/300</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	300 mm
<b>TF7/E-10/350</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	350 mm
<b>TF7/E-10/400</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+180°C	400 mm
<b>TF7/E-20/050</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	50 mm
<b>TF7/E-20/100</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	100 mm
<b>TF7/E-20/150</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	150 mm
<b>TF7/E-20/200</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	200 mm
<b>TF7/E-20/250</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	250 mm
<b>TF7/E-20/300</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	300 mm
<b>TF7/E-20/350</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	350 mm
<b>TF7/E-20/400</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+180°C	400 mm



## Accessories

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DT/G  
Digital display

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KV/E  
Compression Clamp

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ZT/E  
Immersion sleeve

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MFL/E  
Mounting flange

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

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TH3/Z  
Immersion sleeve with compression clamp



Dimensional Drawing

