



## EF8/E

### Screw-in temperature sensor with M12 plug connector

Measuring size: temperature

Output: passive sensor

Highlights: Pmax40 bar, fast-closing M12



### Description

The EF8/E screw-in sensor with M12x1 plug connector measures the temperature in the range of -30 up to +90°C at a max. pressure of 40 bar in gasiform as well as liquid medium and is with all current sensors available. By the M10x1 thread the temperature probe can be mounted directly in bin or pipes.

### 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, max. pressure 40 bar
Dimensions	Protection sleeve: Ø 6 mm
Protection type	IP65
Storage temperature	-20...+70°C
Installation	screw-in thread M10x1
Approvals	CE, EAC, RoHS



## Variants

<b>Article Number</b>			
Sensor	Temperature	Installation length	Thread
<b>EF8/E-10/050</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	50 mm	M10x1
<b>EF8/E-10/100</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	100 mm	M10x1
<b>EF8/E-10/150</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	150 mm	M10x1
<b>EF8/E-10/200</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	200 mm	M10x1
<b>EF8/E-10/250</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	250 mm	M10x1
<b>EF8/E-10/300</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	300 mm	M10x1
<b>EF8/E-10/350</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	350 mm	M10x1
<b>EF8/E-10/400</b>			
Pt100 (DIN EN 60751 Cl. B)	-30...+90°C	400 mm	M10x1
<b>EF8/E-20/050</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	50 mm	M10x1
<b>EF8/E-20/100</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	100 mm	M10x1
<b>EF8/E-20/150</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	150 mm	M10x1
<b>EF8/E-20/200</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	200 mm	M10x1
<b>EF8/E-20/250</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	250 mm	M10x1
<b>EF8/E-20/300</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	300 mm	M10x1



Article Number			
Sensor	Temperature	Installation length	Thread
<b>EF8/E-20/350</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	350 mm	M10x1
<b>EF8/E-20/400</b>			
Pt1000 (DIN EN 60751 Cl. B)	-30...+90°C	400 mm	M10x1

## Accessories



DT/G  
Digital display



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



Dimensional Drawing

M12x1

SW14

M10x1

