



EF5/E

Screw-in temperature sensor with silicone cable

Measuring size: temperature

Output: passive sensor

Highlights: Pmax 40 bar, thread G1/2 inch



Description

The EF5/E screw-in sensor with silicone cable measures the temperature in the range of -30 up to +180°C at a max. pressure of 40 bar in gasiform as well as liquid medium and is with all current sensors available. The stainless steel screw-in immersion sleeve protects the sensor e.g. against mechanical impacts, is with the cable splash water resistant connected and can be mounted directly in bin or pipes by the thread.

Technical Specifications

Measurement range temp.	-30...+180°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Electrical connection	stripped ends with ferrules
Cable	silicone cable (2x0,22 mm ² , max. +180°C) with core cable ends
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Installation length	100 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 G1/2 inch
Approvals	CE, EAC, RoHS



Variants

Article Number		
Sensor	Cable	Installation length
EF5/E-10/2		
Pt100 (DIN EN 60751 Cl. B)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-10/3		
Pt100 (DIN EN 60751 Cl. B)	3 m silicone (2x0,22 mm ²)	100 mm
EF5/E-10/4		
Pt100 (DIN EN 60751 Cl. B)	4 m silicone (2x0,22 mm ²)	100 mm
EF5/E-10/5		
Pt100 (DIN EN 60751 Cl. B)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-20/2		
Pt1000 (DIN EN 60751 Cl. B)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-20/5		
Pt1000 (DIN EN 60751 Cl. B)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-30/2		
Ni1000 (whirl-sintered)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-30/5		
Ni1000 (whirl-sintered)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-40/2		
Ni1000TK5000 (whirl-sintered)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-40/5		
Ni1000TK5000 (whirl-sintered)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-50/2		
NTC1,8k (±1%)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-50/5		
NTC1,8k (±1%)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-60/2		
LM235Z (±1%)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-60/5		
LM235Z (±1%)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-70/2		
NTC20k (±1%)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-70/5		
NTC20k (±1%)	5 m silicone (2x0,22 mm ²)	100 mm



Article Number		
Sensor	Cable	Installation length
EF5/E-80/2		
NTC10k ($\pm 1\%$)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-80/5		
NTC10k ($\pm 1\%$)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-81/2		
KTY 81-110 ($\pm 1\%$)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-81/5		
KTY 81-110 ($\pm 1\%$)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-82/2		
KTY 81-121 ($\pm 1\%$)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-82/5		
KTY 81-121 ($\pm 1\%$)	5 m silicone (2x0,22 mm ²)	100 mm
EF5/E-83/2		
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	2 m silicone (2x0,22 mm ²)	100 mm
EF5/E-83/5		
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	5 m silicone (2x0,22 mm ²)	100 mm

Accessories



DT/G
Digital display



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



Dimensional Drawing

