FuehlerSysteme eNET International
Die Marke für Sensorik

EN **DATA SHEET**

EF2/E

Screw-in temperature sensor with stainless steel immersion sleeve

Measuring size: temperature
Output: passive sensor
Highlights: Pmax 40 bar, immersion sleeve with thread G1/2 inch

MADE IN GERMANY

Description

The EF2/E screw-in sensor measures the temperature in the range of -30 up to +150°C at a max. pressure of 40 bar in gasiform as well as liquid medium and is with all current sensors available. With the in scope of delivery brass immersion sleeve the temperature probe can be mounted directly in bin or pipes and replaced quickly and easily in case of service.

Technical Specifications

Measurement range temp.	-30...+150°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Electrical connection	screw terminals max. 1,5 mm²
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Housing	polyamide with snap closing screws, colour white like RAL 9010
Cable gland	PG11 high-strength cable gland with strain relief
Installation length	50-400 mm
Material	Protection sleeve: stainless steel VA 1.4571, Immersion sleeve: stainless steel VA 1.4571, Pmax. 40 bar
Dimensions	Housing: L 64 x W 58 x H 34,5 mm, Protection sleeve: Ø 6 mm, Immersion sleeve: outside Ø 9 mm / inside Ø 6,5 mm, thread G1/2 inch
Protection type	IP65
Storage temperature	-20...+70°C
Installation	immersion sleeve with G1/2 inch screw-in thread
Approvals	CE, EAC, RoHS

Variants

Article Number	
Sensor	Installation length
EF2/E-10/100	
Pt100 (DIN EN 60751 Cl. B)	100 mm
EF2/E-10/150	
Pt100 (DIN EN 60751 Cl. B)	150 mm
EF2/E-10/200	
Pt100 (DIN EN 60751 Cl. B)	200 mm
EF2/E-10/250	
Pt100 (DIN EN 60751 Cl. B)	250 mm
EF2/E-10/300	
Pt100 (DIN EN 60751 Cl. B)	300 mm
EF2/E-10/350	
Pt100 (DIN EN 60751 Cl. B)	350 mm
EF2/E-10/400	
Pt100 (DIN EN 60751 Cl. B)	400 mm
EF2/E-20/100	
Pt1000 (DIN EN 60751 Cl. B)	100 mm
EF2/E-20/150	
Pt1000 (DIN EN 60751 Cl. B)	150 mm
EF2/E-20/200	
Pt1000 (DIN EN 60751 Cl. B)	200 mm
EF2/E-20/250	
Pt1000 (DIN EN 60751 Cl. B)	250 mm
EF2/E-20/300	
Pt1000 (DIN EN 60751 Cl. B)	300 mm
EF2/E-20/350	
Pt1000 (DIN EN 60751 Cl. B)	350 mm
EF2/E-20/400	
Pt1000 (DIN EN 60751 Cl. B)	400 mm
EF2/E-30/100	
Ni1000 (whirl-sintered)	100 mm
EF2/E-30/150	
Ni1000 (whirl-sintered)	150 mm

Article Number	
Sensor	Installation length
EF2/E-30/200	
Ni1000 (whirl-sintered)	200 mm
EF2/E-30/250	
Ni1000 (whirl-sintered)	250 mm
EF2/E-30/300	
Ni1000 (whirl-sintered)	300 mm
EF2/E-30/350	
Ni1000 (whirl-sintered)	350 mm
EF2/E-30/400	
Ni1000 (whirl-sintered)	400 mm
EF2/E-40/100	
Ni1000TK5000 (whirl-sintered)	100 mm
EF2/E-40/150	
Ni1000TK5000 (whirl-sintered)	150 mm
EF2/E-40/200	
Ni1000TK5000 (whirl-sintered)	200 mm
EF2/E-40/250	
Ni1000TK5000 (whirl-sintered)	250 mm
EF2/E-40/300	
Ni1000TK5000 (whirl-sintered)	300 mm
EF2/E-40/350	
Ni1000TK5000 (whirl-sintered)	350 mm
EF2/E-40/400	
Ni1000TK5000 (whirl-sintered)	400 mm
EF2/E-50/100	
NTC1,8k (±1%)	100 mm
EF2/E-60/100	
LM235Z (±1%)	100 mm
EF2/E-60/150	
LM235Z (±1%)	150 mm
EF2/E-60/200	
LM235Z (±1%)	200 mm
EF2/E-60/250	
LM235Z (±1%)	250 mm

Article Number	
Sensor	Installation length
EF2/E-60/300	
LM235Z (±1%)	300 mm
EF2/E-60/350	
LM235Z (±1%)	350 mm
EF2/E-60/400	
LM235Z (±1%)	400 mm
EF2/E-70/100	
NTC20k (±1%)	100 mm
EF2/E-70/150	
NTC20k (±1%)	150 mm
EF2/E-70/200	
NTC20k (±1%)	200 mm
EF2/E-70/250	
NTC20k (±1%)	250 mm
EF2/E-70/300	
NTC20k (±1%)	300 mm
EF2/E-70/350	
NTC20k (±1%)	350 mm
EF2/E-70/400	
NTC20k (±1%)	400 mm
EF2/E-80/100	
NTC10k (±1%)	100 mm
EF2/E-80/150	
NTC10k (±1%)	150 mm
EF2/E-80/200	
NTC10k (±1%)	200 mm
EF2/E-80/250	
NTC10k (±1%)	250 mm
EF2/E-80/300	
NTC10k (±1%)	300 mm
EF2/E-80/350	
NTC10k (±1%)	350 mm
EF2/E-80/400	
NTC10k (±1%)	400 mm

Article Number	
Sensor	Installation length
EF2/E-82/050	
KTY 81-121 (±1%)	50 mm
EF2/E-82/100	
KTY 81-121 (±1%)	100 mm
EF2/E-83/050	
KTY 81-210 (KTY 10-6) (±1%)	50 mm
EF2/E-83/100	
KTY 81-210 (KTY 10-6) (±1%)	100 mm
EF2/E-83/150	
KTY 81-210 (KTY 10-6) (±1%)	150 mm

Dimensional Drawing