



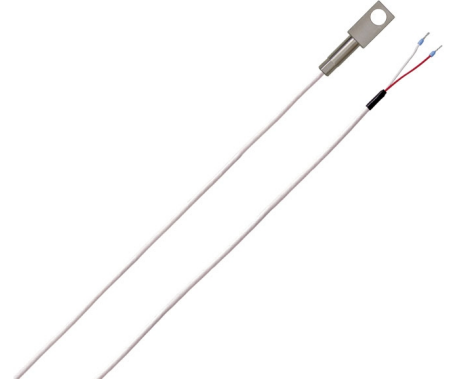
OF9/E

Surface Temperature Sensor - Stainless Steel Block with PFA Cable

Measuring size: temperature

Output: passive sensor

Highlights: stainless steel contacting block, bore hole \varnothing 5 mm



Description

The OF9/E surfaces sensor with stainless steel block measures the temperature of surfaces in the range of -70 up to +250°C and is with all current sensors available. By a screw or adhesive mounting the stainless steel block of the temperature sensor can be mounted fast and safe directly on the surface to be measured.

Technical Specifications

Measurement range temp.	-70...+250°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Cable	PFA cable (2x0,22 mm ² , max. +260°C) with core cable ends in different lengths
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Material	Contacting block: stainless steel VA 1.4571
Dimensions	Contacting block: L 15 x W 8 x H 8 mm, bore hole \varnothing 5 mm
Protection type	IP54
Storage temperature	-20...+70°C
Installation	screw fixing or adhesive bond
Approvals	CE, EAC, RoHS



Variants

Article Number	
Sensor	Cable
OF9/E-10/2	
Pt100 (DIN EN 60751 Cl. B)	2 m PFA (2x0,22 mm ²)
OF9/E-10/5	
Pt100 (DIN EN 60751 Cl. B)	5 m PFA (2x0,22 mm ²)
OF9/E-20/2	
Pt1000 (DIN EN 60751 Cl. B)	2 m PFA (2x0,22 mm ²)
OF9/E-20/5	
Pt1000 (DIN EN 60751 Cl. B)	5 m PFA (2x0,22 mm ²)
OF9/E-30/2	
Ni1000 (whirl-sintered)	2 m PFA (2x0,22 mm ²)
OF9/E-30/5	
Ni1000 (whirl-sintered)	5 m PFA (2x0,22 mm ²)
OF9/E-40/2	
Ni1000TK5000 (whirl-sintered)	2 m PFA (2x0,22 mm ²)
OF9/E-40/5	
Ni1000TK5000 (whirl-sintered)	5 m PFA (2x0,22 mm ²)
OF9/E-50/2	
NTC1,8k (±1%)	2 m PFA (2x0,22 mm ²)
OF9/E-50/5	
NTC1,8k (±1%)	5 m PFA (2x0,22 mm ²)
OF9/E-60/2	
LM235Z (±1%)	2 m PFA (2x0,22 mm ²)
OF9/E-60/5	
LM235Z (±1%)	5 m PFA (2x0,22 mm ²)
OF9/E-70/2	
NTC20k (±1%)	2 m PFA (2x0,22 mm ²)
OF9/E-70/5	
NTC20k (±1%)	5 m PFA (2x0,22 mm ²)
OF9/E-80/2	
NTC10k (±1%)	2 m PFA (2x0,22 mm ²)
OF9/E-80/5	
NTC10k (±1%)	5 m PFA (2x0,22 mm ²)



Article Number	
Sensor	Cable
OF9/E-81/2	
KTY 81-110 ($\pm 1\%$)	2 m PFA (2x0,22 mm ²)
OF9/E-81/5	
KTY 81-110 ($\pm 1\%$)	5 m PFA (2x0,22 mm ²)
OF9/E-82/2	
KTY 81-121 ($\pm 1\%$)	2 m PFA (2x0,22 mm ²)
OF9/E-82/5	
KTY 81-121 ($\pm 1\%$)	5 m PFA (2x0,22 mm ²)
OF9/E-83/2	
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	2 m PFA (2x0,22 mm ²)
OF9/E-83/5	
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	5 m PFA (2x0,22 mm ²)

Accessories



DT/G
Digital display



SZ/E
Accessories



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



Dimensional Drawing

