



OF4/E

Surface Temperature Sensor - Magnetic

Measuring size: temperature

Output: passive sensor

Highlights: magnetic adhesive force 90 N



Description

The magnetic OF4/E surfaces sensor measures the temperature of metallic surfaces in the range of -40 up to +400°C and is with all current sensors available. By the extreme strong 90 N magnetic clamp the temperature sensor can be mounted fast and safe directly e.g. on central-heating boiler, at which the tension spring absorbs vibrations for an optimal measurement signal.

Technical Specifications

Measurement range temp.	-40...+400°C
Sensor	Pt100, Pt500, Pt1000 (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Cable	silicone cable (2x0,22 mm ² , max. +180°C) with core cable ends in different lengths
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Dimensions	Magnet: L 40 x W 25 x H 25 mm
Protection type	IP54
Storage temperature	-20...+70°C
Installation	remove metal plate of the magnet and put on chosen measuring point straight tighten on
Approvals	CE, EAC, RoHS



Variants

Article Number	
Sensor	Cable
OF4/E-10/2	
Pt100 (DIN EN 60751 Cl. B)	2 m silicone (2x0,22 mm ²)
OF4/E-10/5	
Pt100 (DIN EN 60751 Cl. B)	5 m silicone (2x0,22 mm ²)
OF4/E-20/2	
Pt1000 (DIN EN 60751 Cl. B)	2 m silicone (2x0,22 mm ²)
OF4/E-20/5	
Pt1000 (DIN EN 60751 Cl. B)	5 m silicone (2x0,22 mm ²)

Accessories



DT/G
Digital display



HR/G
Digital controller for DIN rail with change-over contact



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



Dimensional Drawing

