



## DF/E

### Ceiling temperature sensor

Measuring size: temperature

Output: passive sensor

Highlights: modern housing design, mounting in a suspended ceiling or plasterboard wall



### Description

The DF/E ceiling sensor in modern, invisible housing design measures the temperature in the range of -30 up to +60°C in gasiform medium and is with all current sensors available. The temperature sensor can be directly mounted by using 2 springs in a suspended ceiling or plasterboard wall.

### Technical Specifications

Measurement range temp.	-30...+60°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	125 mm silicone cable (2x0,75 mm <sup>2</sup> , max. +180°C)
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Housing	aluminium, colour signal white like RAL 9003
Dimensions	Housing: Ø 23 mm, Cover: Ø 30 mm
Protection type	IP30
Protection class	III
Storage temperature	-20...+50°C
Installation	in the false ceiling by 2 tension springs
Approvals	CE, EAC, RoHS



## Variants

<b>Article Number</b>
Sensor
<b>DF/E-10</b>
Pt100 (DIN EN 60751 Cl. B)
<b>DF/E-20</b>
Pt1000 (DIN EN 60751 Cl. B)
<b>DF/E-30</b>
Ni1000 (whirl-sintered)
<b>DF/E-40</b>
Ni1000TK5000 (whirl-sintered)
<b>DF/E-60</b>
LM235Z ( $\pm 1\%$ )
<b>DF/E-70</b>
NTC20k ( $\pm 1\%$ )
<b>DF/E-80</b>
NTC10k ( $\pm 1\%$ )
<b>DF/E-81</b>
KTY 81-110 ( $\pm 1\%$ )
<b>DF/E-82</b>
KTY 81-121 ( $\pm 1\%$ )
<b>DF/E-83</b>
KTY 81-210 (KTY 10-6) ( $\pm 1\%$ )



## Accessories

---



DT/G  
Digital display

---



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

---



SZ/E  
Accessories

---



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



### Dimensional Drawing

