



## MF/E

### Average Temperature Value Sensor

Measuring size: temperature

Output: passive sensor

Highlights: tightened rod with copper core, easy to install with included mounting flange and mounting clamps



### Description

The MF/E average value sensor measures the temperature average in the range of -30 up to +80°C in gasiform medium and is with all current sensors available. By the in scope of delivery mounting flange the temperature probe can be mounted directly e.g. on ducts and the rod can be mounted meander formed in air ventilation ducts by the mounting clamps. It determines the temperature average at the total cross-section or on a defined length. For quality improvement the rod sensor is equipped with a copper core.

### Technical Specifications

Measurement range temp.	-30...+80°C
Sensor	Pt100, Pt1000 and Ni1000
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Electrical connection	screw terminals max. 1,5 mm <sup>2</sup>
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
Material	Rod: copper (oxidation protective coating, black)
Dimensions	Housing: L 64 x W 58 x H 34,5 mm, , Rod length: 0,4 m, 3 m and 6 m (Ø 6 mm)
Protection type	IP65
Working temperature	-30...+80°C
Storage temperature	-20...+70°C
Installation	housing by mounting flange (in scope of delivery), rod by mounting clamps (in scope of delivery), max. bending radius 35 mm (beware of loading by vibration)
Approvals	CE, EAC, RoHS



## Variants

Article Number		
Sensor	Temperature	Rod length
<b>MF/E-10/04</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+80°C	0,4 m
<b>MF/E-10/3</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+80°C	3 m
<b>MF/E-10/6</b>		
Pt100 (DIN EN 60751 Cl. B)	-30...+80°C	6 m
<b>MF/E-20/04</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+80°C	0,4 m
<b>MF/E-20/3</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+80°C	3 m
<b>MF/E-20/6</b>		
Pt1000 (DIN EN 60751 Cl. B)	-30...+80°C	6 m
<b>MF/E-30/04</b>		
Ni1000 (whirl-sintered)	-30...+80°C	0,4 m
<b>MF/E-30/3</b>		
Ni1000 (whirl-sintered)	-30...+80°C	3 m
<b>MF/E-30/6</b>		
Ni1000 (whirl-sintered)	-30...+80°C	6 m

## Accessories



DT/G  
Digital display



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



## Accessories

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MUD/E

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



### Dimensional Drawing

