



## BF1/E

### Bayonet temperature probe with 120° measuring peak

Measuring size: temperature

Output: passive sensor

Highlights: 120° measuring peak, Bayonet cap: Ø 12 or 14 mm



### Description

The BF1/E temperature probe with bayonet cap and 120° peak measures the temperature in the range of -30 up to +400°C in gasiform medium and is available with Pt100/Pt1000 sensor. The temperature probe can be mounted fast and easy by bayonet cap. The stainless steel pressure spring enables the adjustment of the installation length by rotating the bayonet cap, assures a constant contact pressure and is for bend protection.

### Technical Specifications

Measurement range temp.	-30...+400°C
Sensor	Pt100, Pt500, Pt1000 (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Cable	glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> , max. +400°C) with core cable ends in different lengths
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Material	Stainless steel VA 1.4571
Dimensions	Bayonet peak: Ø 6 or 8 mm, Measuring point: 120°, Bayonet cap: Ø 12 or 14 mm
Protection type	IP54
Storage temperature	-20...+70°C
Installation	bayonet cap
Approvals	CE, EAC, RoHS



## Variants

<b>Article Number</b>			
Sensor	Bayonet peak	Bayonet cap	Cable
<b>BF1/E-10/6.0/12-2</b>			
Pt100 (DIN EN 60751 Cl. B)	6 mm pointed 120°	12 mm	2 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )
<b>BF1/E-10/6.0/12-5</b>			
Pt100 (DIN EN 60751 Cl. B)	6 mm pointed 120°	12 mm	5 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )
<b>BF1/E-10/8.0/14-2</b>			
Pt100 (DIN EN 60751 Cl. B)	8 mm pointed 120°	14 mm	2 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )
<b>BF1/E-10/8.0/14-5</b>			
Pt100 (DIN EN 60751 Cl. B)	8 mm pointed 120°	14 mm	5 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )
<b>BF1/E-20/6.0/12-2</b>			
Pt1000 (DIN EN 60751 Cl. B)	6 mm pointed 120°	12 mm	2 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )
<b>BF1/E-20/6.0/12-5</b>			
Pt1000 (DIN EN 60751 Cl. B)	6 mm pointed 120°	12 mm	5 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )
<b>BF1/E-20/8.0/14-2</b>			
Pt1000 (DIN EN 60751 Cl. B)	8 mm pointed 120°	14 mm	2 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )
<b>BF1/E-20/8.0/14-5</b>			
Pt1000 (DIN EN 60751 Cl. B)	8 mm pointed 120°	14 mm	5 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> )



## Accessories

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DT/G  
Digital display

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BN/E  
Bayonet nipple

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



### Dimensional Drawing

