

Series CB/11 – Temperature sensor with Silicon connecting cable

Application:

General Purpose. Measuring temperature in liquids and gases. Application include HVAC, refrigeration, heating, installations, ovens, plant engineering and laboratories.

| Measurement insert | Diameter | Immersion Length | Cable length | Temperature Range | Article Nr. |
|--------------------|----------|------------------|--------------|-------------------|--------------|
| 1 x Pt100 | 6mm | 50mm | 3m | -50 +180° C | CB11.0000000 |
| 1 x Pt100 | 6mm | 160mm | 3m | -50 +180° C | CB11.0000001 |
| 1 x Pt1000 | 6mm | 50mm | 5m | -50 +180° C | CB11.0000002 |
| KTY 84 | 6mm | 50mm | 0.3m | -50 +180° C | CB11.0000003 |



Specifications

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|------------------------------------|--|
| Resistance & tolerance: | Resistance thermometer Pt100 to DIN IEC 60751 class A, B or 1/3 DIN available with 2, 3 or 4 wire circuit. |
| Probe Diameter: | 6mm |
| Probe Length: | 50mm, 160mm |
| Protection Tube: | Stainless steel 14571 |
| Protection: | IP 67 |
| Cable Insulation: | Silicon – Silicon (3 x 0,5mm ²) |
| Temperature: | From -50 to +180° C |

Option: Other versions available with Pt500, Ni1000, Ni120, NTC10KΩ, KTY 11-6, AD592 (available with single or twin resistance thermometer)

Other technical characteristics (length, diameter, cable length etc.) available upon request

| Tolerance class | Sensor category | Temperature range | Tolerance in K |
|-----------------|-------------------|---------------------------------|---------------------------|
| Class 1/3 DIN B | Thin-film Wire | -50 to +200°C -70 to +250°C | ± (0.10 K + 0.0017 x Itl) |
| Class A | Thin-film Wire | -70 to +300°C -200 to +600°C | ± (0.15K + 0.002 x Itl) |
| Class B | Thin-film Wire | -70 to +600°C -200 to +850°C | ± (0.30K + 0.005 x Itl) |
| Class 0.5 | Thin-film Wire | -70 to +600°C -200 to +850°C | ± (0.50K + 0.006 x Itl) |

Table : Tolerance classes - Temperature validity range

Itl = measured temperature in °C (without sign)