

## Pt1000TG8/E, temperature probe, cable 10 m

code: SN113E

Multi-purpose watertight IP67 probe -80 to +200°C.

Stainless steel 17241 with silicone cable of specified length, with ELKA connector. Diameter 5.7mm, length 40mm. Time response  $t_{63} < 10s$ ,  $t_{95} < 30s$ , measured in fluid. Time response  $t_{63} < 60s$ ,  $t_{95} < 150s$ , measured in airflow 1m/s.



**Measuring range: -50°C\*\* to 200°C**

**\*\* For static position of lead-in cable, the sensor can operate in temperatures from -80 °C**

**Optionally also available with cable of various lengths. For other cable lengths use the selector.**

### Technical data

|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| TEMPERATURE SENSOR      |                                                                                                                                                         |
| Measuring range         | -50 to +200 °C <br> -80 to +200 °C (for static position of lead-in cable)                                                                               |
| Accuracy                | $\pm (0.15 + 0.002 t)$ at °C                                                                                                                            |
| Accuracy class          | A                                                                                                                                                       |
| Time response           | $t_{0.5} < 7 s$ (in flowing water at $> 0.2 m/s$ )<br> $t_{63} < 10s$ , $t_{95} < 30s$ (in liquid)<br> $t_{63} < 60s$ , $t_{95} < 150s$ (air flow 1m/s) |
| Type of sensing element | Pt1000                                                                                                                                                  |
| Temperature coefficient | 3850 ppm / °C                                                                                                                                           |
| GENERAL TECHNICAL DATA  |                                                                                                                                                         |
| Wire connection         | 2-wire connection                                                                                                                                       |
| Material of the case    | stainless steel DIN 1.4301                                                                                                                              |
| Dimensions of the case  | length 40 mm; <br>diameter $5.7 \pm 0.1 mm$                                                                                                             |
| Lead-in cable           | silicone shielded                                                                                                                                       |
| Length of lead-in cable | 10 meters                                                                                                                                               |
| Connector               | ELKA                                                                                                                                                    |
| IP protection           | IP67                                                                                                                                                    |
| Warranty                | 30 months                                                                                                                                               |