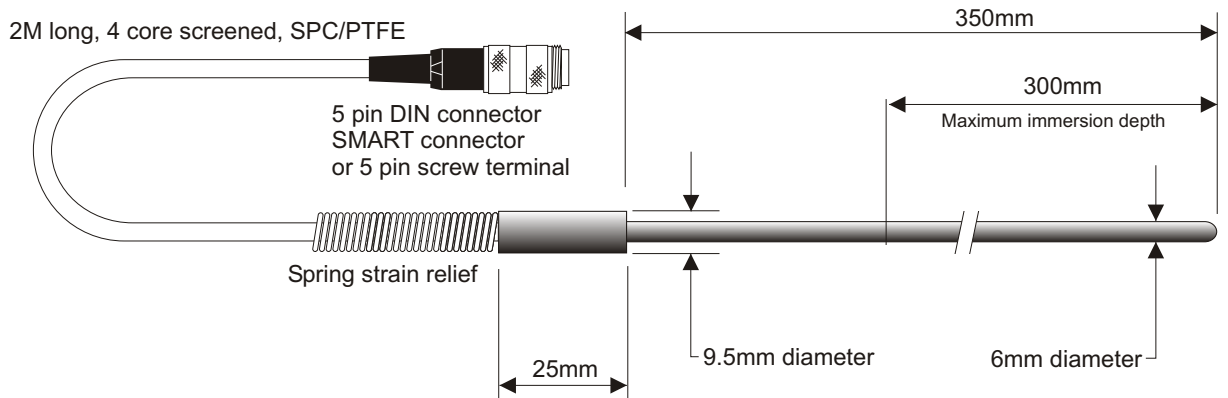


Reference Thermometer



specification

Temperature range	-50°C to +250°C
Resistance at 0°C	100 ohms to IEC751 class B
Temperature coefficient	0.00385 ($\alpha_{0.100}$)
Sheath material	Stainless steel
Recommended measuring current	0.5 or 1 mA
Self heating error in still water at 0°C	Typically 5mK at 1 mA measuring current
Self heating error in still air at 0°C	Typically 7mK at 1mA measuring current
Response time in water (1m/sec)	Typically 8.5 seconds to 63% of final temperature
Response time in air (1m/sec)	Typically 85 seconds to 63% of final temperature

**-50°C to
+250°C**

order codes

T100-250-1D	5 pin DIN plug fitted.
T100-250-1D-NAM	As above but with UKAS calibration at -50, 0, +100 & +250°C
T100-250-1S	SMART plug fitted (suitable for use with F200)
T100-250-1S-NAM	As above but with UKAS calibration at -50, 0, +100 & +250°C
T100-250-1T	5 pin screw terminal fitted (suitable for F250 rear panel connection)
T100-250-1T-NAM	As above but with UKAS calibration at -50, 0, +100 & +250°C

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