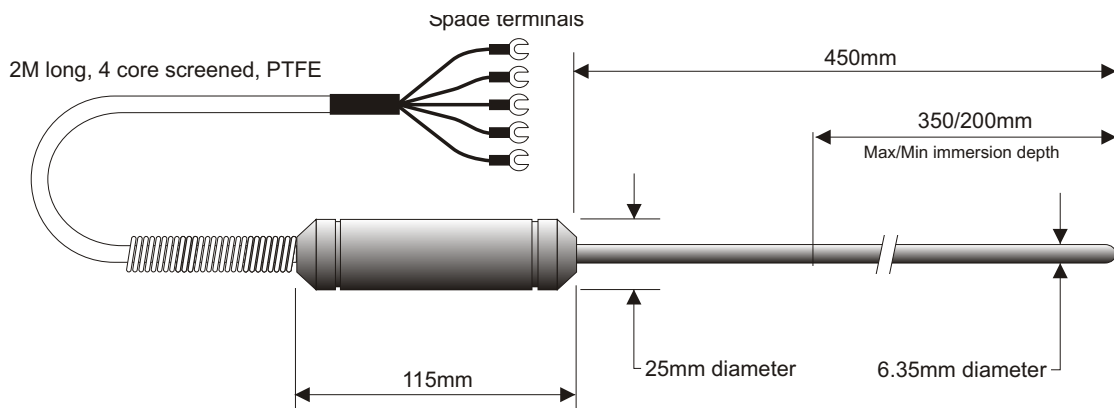


T 100-450-2

Resistance Thermometer

High temperature



specification

Temperature range	-100°C to +450°C
Resistance at 0°C	100 ohms \pm 0.05
Temperature coefficient	0.00385 for T100-450-2 ($\text{Alpha}_{0.100}$) 0.003916 for T100-450-3 ($\text{Alpha}_{0.100}$) 0.00390 for T100-450-4 ($\text{Alpha}_{0.100}$)
Sheath material	Stainless steel
Recommended measuring current	0.5 or 1 mA
Self heating error in still water at 0°C	5.5mK at 1 mA, 1.5mK at 0.5mA
Response time in water (1m/sec)	Typically 20 seconds to 63% of final temperature
Reproducibility	\pm 0.02°C or better

-100°C to +450°C

order codes

T100-450-2	Probe with Alpha of 0.00385, no calibration, protective case
T100-450-2D or T100-450-2S	As above but with 5 pin DIN or SMART plug fitted (suitable for use with F200)
T100-450-3	Probe with Alpha of 0.003916, no calibration, protective case
T100-450-3D or T100-450-3S	As above but with 5 pin DIN or SMART plug fitted (suitable for use with F200)
T100-450-4	Probe with Alpha of 0.00390, no calibration, protective case
T100-450-4D or T100-450-4S	As above but with 5 pin DIN or SMART plug fitted (suitable for use with F200)
Option -NAM	Supplied with UKAS calibration (e.g. T100-450-2-NAM)