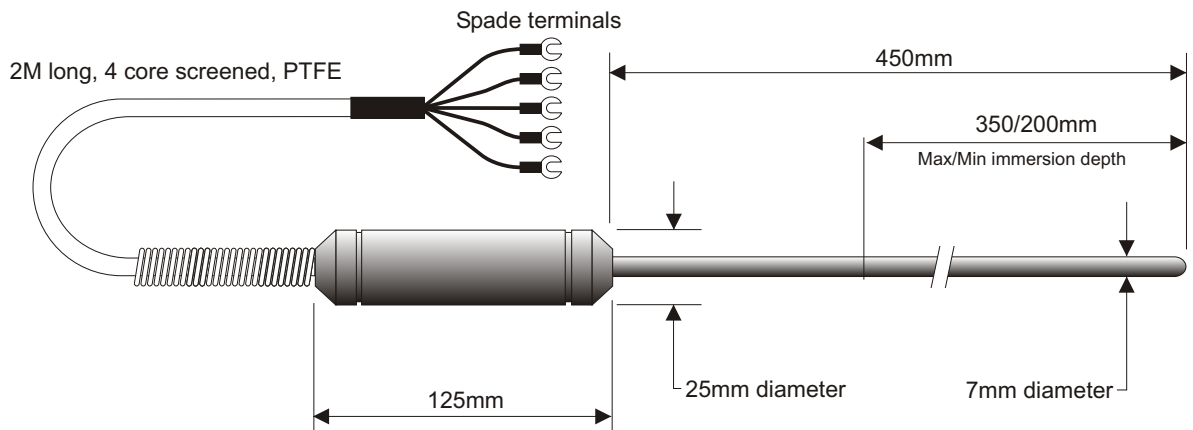


# T 100-650-1

## Resistance Thermometer

High temperature



### specification

Temperature range	-189°C to +650°C
Resistance at 0°C	100 ohms ±0.05
Temperature coefficient	0.003925 (Alpha <sub>0.100</sub> )
Sheath material	Fused Silica
Thermometer element	50mm long unconstrained coil
Recommended measuring current	0.5 or 1 mA
Self heating error in still water at 0°C	Typically 13mK at 1 mA, or 3mK at 0.5mA
Response time in water (1m/sec)	Typically 25 seconds to 63% of final temperature
Maximum/Minimum immersion depth	350/200mm (handle should not exceed 125°C)

**-189°C to  
+650°C**

### order codes

T100-650-1	Supplied without calibration, but without protective case
Option D	5 pin DIN plug fitted (e.g. T100-650-1D)
Option -NAM	Supplied with NAMAS calibration and protective case (e.g. T100-650-1-NAM)
Option -NPL	Supplied with NPL calibration and protective case (e.g. T100-650-1-NPL)