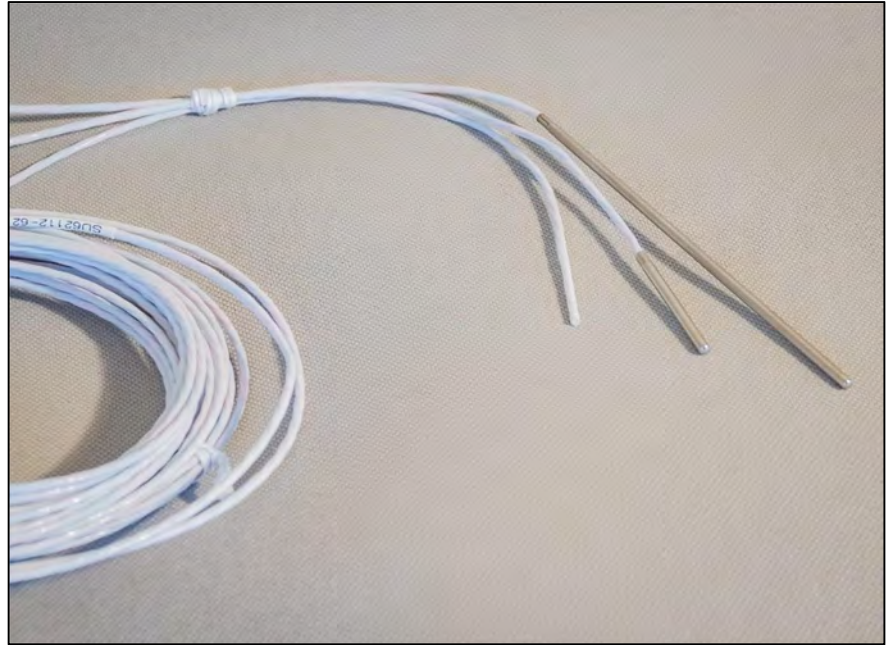


Features

- -200°C to +200°C Temperature range. Suitable for Cryogenic applications
- Hermetically sealed making it suitable for harsh environments such as environmental chambers
- Customisable cable length and termination with optional connector of your choice
- 100% tested and issued with a certificate of conformity using UKAS calibrated equipment
- BS EN 60751 Class A precision wire wound sensor
100 Ω at 0 °C
4-wire connection
- Optional UKAS traceable or UKAS calibration available
- 316 Stainless Steel sheath with customisable length

ULTAS 200-W

PT100 PLATINUM RESISTANCE THERMOMETER

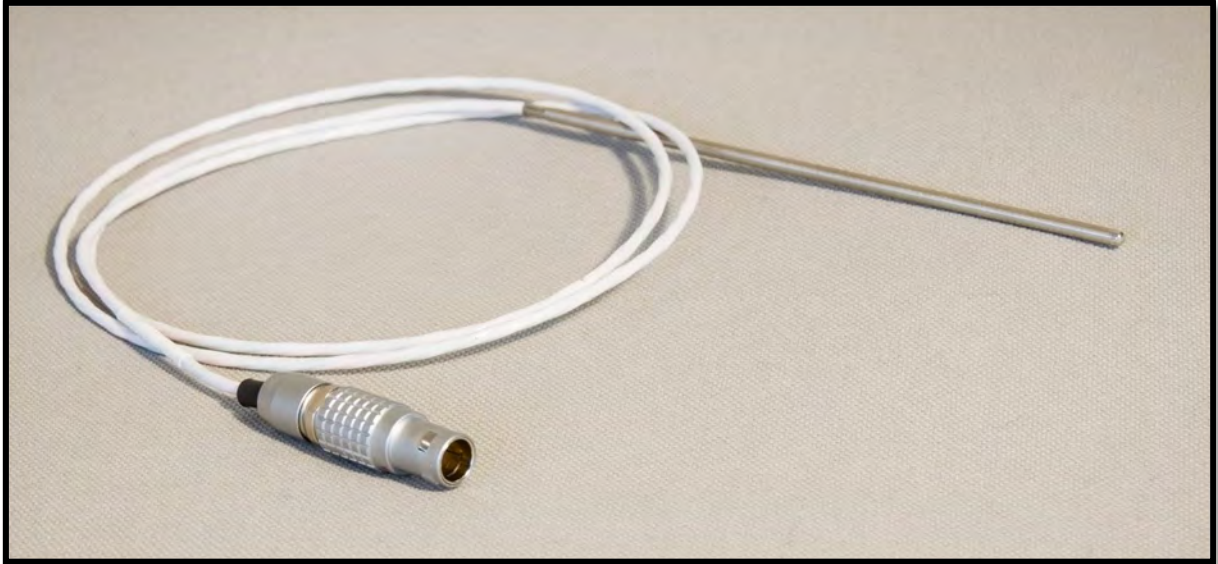


The ULTAS-200W is a PT100 Platinum Resistance Thermometer with PFA hermetically encapsulated wire wound element for accurate temperature measurements in harsh environments such as environmental chambers, autoclaves, liquid nitrogen and aggressive liquids.

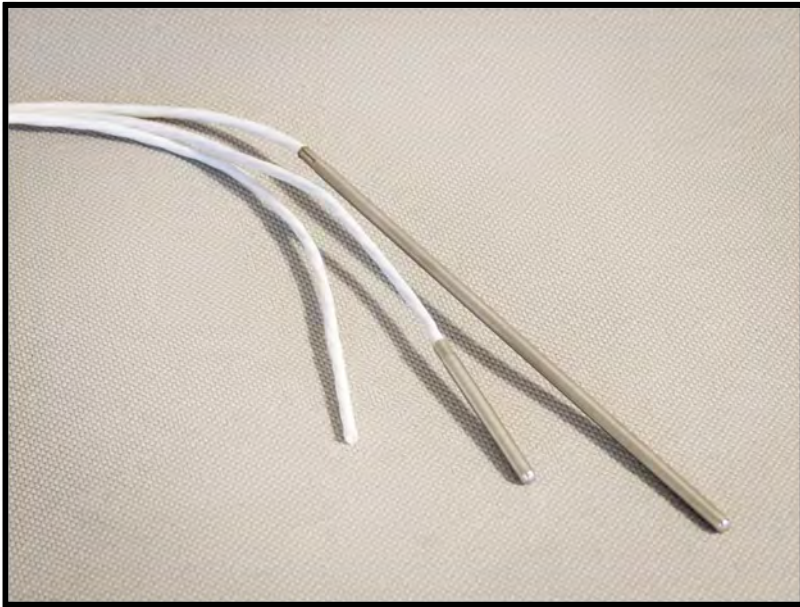
Used by many leading laboratories and industries to provide reliable temperature measurements as well as representing outstanding value for money.

Property	ULTAS 200-W Specification
Description	A PFA hermetically encapsulated reference platinum resistance thermometer for accurate temperature measurements in harsh environments such as environmental chambers, autoclaves, liquid nitrogen and aggressive liquids.
Range	-200 °C to 200°C.
Sensor type	Precision wire wound sensor. BS EN 60751 Class A. 100Ω at 0 °C. 4-wire connected.
Reproducibility	± 0.010 °C or better.
Stability	± 0.010 °C or better at 0°C per annum but dependent upon use.
Hysteresis	± 0.010 °C or better at 0°C.
Dimensions	2mm diameter cable to a 3mm or 1/8" diameter 40mm long stainless steel sheath.
Sheath material	PFA with an outer sheath of 316 stainless steel.
Cable	4-wire, PFA insulation. 2 m long or as required. Range -200 °C to 200 °C.
Cable termination	Bare wire termination or a connector to the customer's requirement by discussion.
Markings	Unique serial number on the end of the cable.
Testing and guarantee.	<p>Each thermometer is temperature cycled to ensure it is stable and issued with a certificate of conformity showing its resistance at 0 °C.</p> <p>12 months manufacture's guarantee.</p>
Similar thermometers	Fluke 5606 and 5607.
Calibration	UKAS traceable calibrations are available from Benrhos (0°C to 200°C). UKAS calibrations are available via an independent UKAS laboratory.
Notes	<ul style="list-style-type: none"> i. Other sheathed or non-sheathed options available, contact Benrhos. ii. A ULTAS 200 reference platinum resistance thermometer with a UKAS calibration is available as an audit item and for customers to assess at a nominal charge. iii. The Benrhos Izero+ ice point bath (0 °C ±0.003°C) is a convenient means of checking thermometers and referencing thermocouples.

ULTAS 200-W PRT with Lemo connector



ULTAS 200-W PRT sensor shroud options



- The sensor can either have a stainless steel sheath of a length specified by the customer, or left with no sheath as the sensor is hermetically sealed.