

TECHNICAL DATA SHEET

Probes

Designed for accuracy and durability

Developed from extensive research, destructive testing and analysis of similar products, these probes are designed to meet today's demanding standards.

Built to withstand considerable push, pull and twist forces, the probe has been especially designed to fit comfortably into the hand and features a unique "thumb-stop" for ease of use as well as protection against slipping. Furthermore, for penetration applications, the angle of the general purpose probe's point has been set to provide less resistance at the insertion point.

Our 2100 Series Probes are available with either straight or curly cables



Clean styling

The probe's handle parts are ultrasonically welded and sealed to IP67, so that it may be scrubbed clean without affecting the internal wiring. With sealed tip probes, the complete unit is protected to IP67. To prevent cross-contamination, we recommend that probes are cleaned with anti-bacterial wipes.

Probe Types

Sensor Type	Range
K	For type K thermometers, eg: 2000T, 3208is, TM Series
T	For type T thermometers eg: 2000T, 2100 Series
P	Pt 100 platinum resistance, for thermometers with TCM Connectors
Q	Pt 1000 platinum resistance, for use with T600i thermometers
H	Thermistor, for use with Digitron thermistor thermometers

Effective in prevention of cross contamination and promotion of hygiene in the work place, Digitron offers a selection of probe wipes ideal for cleansing and sanitising of all types of sensor probes.

- ✓ Use between and after use of probes
- ✓ Effective in prevention of bacteria spread
- ✓ Available in handy containers



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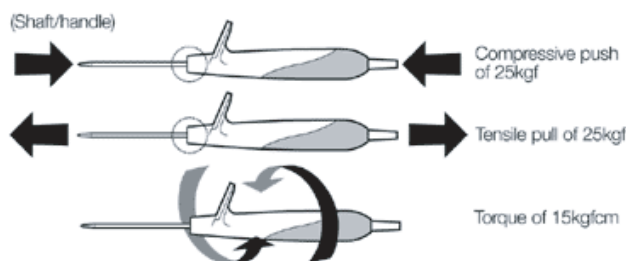
Probes

Probe Accuracy Guide

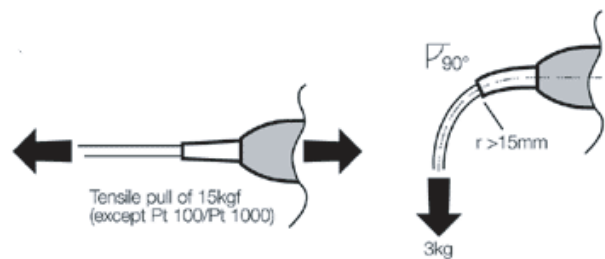
THERMOCOUPLES			
Type	Conductors	Temperature Range	Tolerances to BS4937 Class 1
K	Nickel Chromium/Nickel Aluminium (Ni-Cr/Ni-Al)	-200°C to +1250°C / -328°F to +2280°F	-40°C to +1000°C: $\pm 1.5^\circ\text{C}$ or $\pm 0.4\%$ whichever is the greater / -40°F to +1830°F $\pm 2.5^\circ\text{F}$ whichever is greater
T	Copper/Copper Nickel (Cu/Cu-Ni)	-200°C to +400°C / -328°F to +750°F	-40°C to +350°C: $\pm 0.5^\circ\text{C}$ or $\pm 0.4\%$ whichever is the greater / -40°F to +660°F $\pm 1.0^\circ\text{F}$ whichever is the greater Thermocouple Type T material is selected for $\pm 0.2^\circ\text{C}$ over the range -20°C to +70°C.
Thermistor Type		-40°C to +150°C	
Used for precision measurements using a semi-conductor sensor. Provides high accuracy over a narrow temperature range and good performance over long lead runs. Suitable for cold store and many			
Platinum Resistance		Temperature Range	Tolerances to BS1904 Grade A
Pt100 Platinum Resistance		-200°C to +800°C / -328°F to +1470°F	-200°C to +600°C: $\pm 0.15^\circ\text{C} \pm 0.2\%$ / -328°F to +1110°F $\pm 0.3^\circ\text{F} \pm 0.2\%$

Note: For probes and instruments we can supply system (instrument & sensor) calibration certificates to UKAS standard if required. Ask for details. For measurements below -40°C/-40°F, please contact Digitron or your local distributor about special manufactured probes.

Probe Handle Strength



Probe Cable Strength



Probe Dimensions

