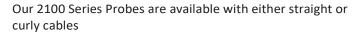
TECHNICAL DATA SHEET Probes

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.







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		
	For type K thermometers, eg: 2000T, 3208is, TM Series		
Т	or type T thermometers eg: 2000T, 2100 Series		
Р	Pt 100 platinum resistance, for thermometers with TCM		
	Connectors		
Q	Pt 1000 platinum resistance, for use with T600i thermometers		
Н	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



TECHNICAL DATA SHEET Probes

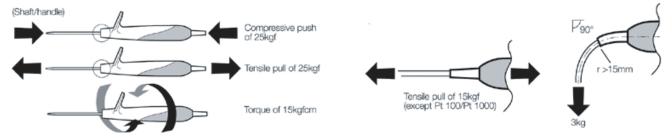
Probe Accuracy Guide

THERMO	THERMOCOUPLES			
Туре	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: ±1.5°C or ±0.4% whichever is the greater /-40°F to +1830°F ±2.5°F whichever is greater	
Т	Copper/Copper Nickel (Cu/Cu-Ni)	-200°C to +400°C /-328°F to +750°F	-40°C to +350°C: ±0.5°C or ±0.4% whichever is the greater / -40°F to +660°F ±1.0°F whichever is the greater Thermocouple Type T material is selected for ±0.2°C over the range -20°C to +70°C.	
Thermisto	or Type	-40°C to +150°C		
conductor narrow ter	precision measurements using a semi- sensor. Provides high accuracy over a mperature range and good performance lead runs. Suitable for cold store and many			
Platinum Resistance		Temperature Range	Tolerances to BS1904 Grade A	
Pt100 Pla	tinum Resistance	-200°C to +800°C/-328°F to +1470°F	-200°C to +600°C: ±0.15°C ±0.2% / -328°F to +1110°F ±0.3°F ±0.2%	

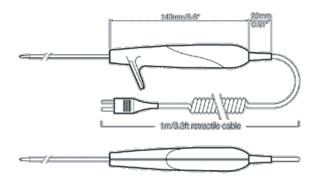
Note: For probes and instruments we can supply system (instrument & sensor) calibration certificates to UKAS standard if required. Ask for details. For measurements below -40°C/-40°F, please contact Digitron or your local distributor about special manufactured probes.

Probe Handle Strength

Probe Cable Strength



Probe Dimensions



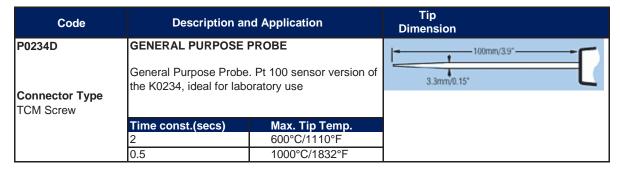
Code	Description and Application		Tip Dimension
K0234D Connector Type 2 pin mini	GENERAL PURPOSE I K type sensor. Strong, f suitable for a wide range liquids, semisolids, air a Can be used for genera	ast responding and e of applications - nd granular penetration.	3.3mm/0.15*
	Time const.(secs)	Max. Tip Temp.	
	0.6	1000°C/1832°F	

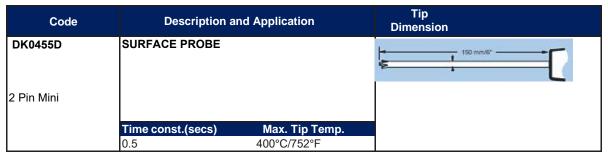
Code	Description and Application		Tip Dimension
T0234D Connector Type	GENERAL PURPOSE PENETRATION T type sensor version of K0234		100mm/3.9*
Connector Type			3.3mm/0.15"
2 pin mini	Time const.(secs)	Max. Tip Temp.	
Σ μιτ πιιιι	0.6	250°C/482°F	

Code	Description and Application		Tip Dimension
TO234LS Connector Type Lumberg	GENERAL PURPOSE PENETRATION With 'T' type sensor, straight cable, 0.7m long and Lumberg connector and set of coloured thumb tabs (2106T only) Time const.(secs) Max. Tip Temp.		3.3mm/0.15*
	0.6	250°C/482°F	

Code	Description and Application		Tip Dimension
TO234LC Connector Type Lumberg	GENERAL PURPOSE PENETRATION With 'T' type sensor, curly cable and Lumberg connector – includes colour coded thumb tabs (2106T only) Time const.(secs) Max. Tip Temp.		3.3mm/0.15*
	0.6	250°C/482°F	

Code	Description and Application		Tip Dimension
H0234D	GENERAL PURPOSE PROBE Thermistor sensor version of K0234, with a straight cable and dedicated connection to the 2046T.		3.3mm/0.15*
Connector Type			
Plug	Time const.(secs)	Max. Tip Temp.	
	1.9	120°C/248°F	





Code	Description ar	nd Application	Tip Dimension
H0234LC Connector Type Lumberg	GENERAL PURPOSE PENETRATION Thermistor version of K0234 with Lumberg connector and curly cable. Includes colour coded thumb tabs. (2146T only)		3.3mm/0.15*
	Time const.(secs)	Max. Tip Temp.	
	1.9	120°C/248°F	

Code	Description and Application	Tip Dimension
K0454D	SURFACE PROBE	125mm/4.9°
Connector Type 2 pin mini	K type sensor. Providing a fast response and comprising of a 3.5mm diameter spring loaded copper disc to allow uniform pressure on surface to be measured.	5mm/0.2" Tip detail of surface probes
	Time const.(secs) Max. Tip Temp.	
	0.4 500°C/932°F	

Code	Description and Application	Tip Dimension
T0835LC Connector Type	HEAVY DUTY PALLET PROBE 'T' type sensor, Lumberg connector and curly cable (2106T only).	200mm/7.8°
Lumberg		
	Time const.(secs) Max. Tip Temp. 250°C/482°F	

Code	Description and Application	Tip Dimension
K0714D Connector Type 2 pin mini	SEMI FLEXIBLE GENERAL PURPOSE K type sensor. Versatile probe with mineral insulated sensor and inconel sheath for measurements of substances where access is restricted.	1.8mm/0.07"
	Time const.(secs) Max. Tip Temp. 1 1000°C/1832°F	

Code	Description and Application		Tip Dimension	
Connector Type 2 pin mini	EXPOSED JUNCTION K type sensor, for gene heating and refrigeratio radiators, water, air ten	eral purpose use in on industries, including	3D-()	
2 piii iiiiii	Time const.(secs)	Max. Tip Temp.		
	0.5	250°C/482°F		

Code	Description and Application		Tip Dimension
H0000	FLEXIBLE AIR PROBE Thermistor sensor, for the non-destructive checking of food temperatures with a dedicated connection to the 2046T.		•~~~
Connector Type			
	Time const.(secs)	Max. Tip Temp.	
	3.5	120°C/248°F	

Code	Description and Application		Tip Dimension	
Connector Type 2 pin mini	FLEXIBLE AIR PROBE T type sensor, used to monitor temperatures by placing the wire probe inside the fridge/freezer and shutting the door to give a true reading			
	Time const.(secs)	Max. Tip Temp.		
	0.5	250°C/482°F		

Code	Description and Application		Tip Dimension
T0000LS	FLEXIBLE AIR PROBE		
	Flexible Air Probe as T0000 with Lumberg connector and straight cable, 1m long (2106T only).		
Connector Type			
Lumberg	Time const.(secs)	Max. Tip Temp.	
	0.5	250°C/482°F	

Code	Description and Application		Tip Dimension
H0000LS	FLEXIBLE AIR PROBE		~
Connector Type	Thermistor version of T0000with Lumberg connector and straight cable for 2146T thermometer.		
Lumberg	Time const.(secs)	Max. Tip Temp.	
	3.5	120°C/248°F	