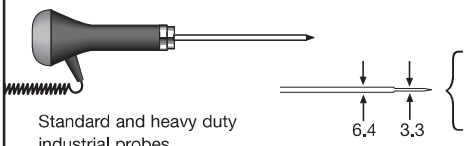
PROBE SELECTION CHART

Penetration Probes

All drawing dimensions shown in mm.

Sensor	Connector	Temp Range °C	Response Time (secs)†	Stem Length (mm)	Stem Dia (mm)	Lead Length (m)	Lead Material	Probe Tip	Code
K	M	–50°C to +250°C	2.0	100	3.3	1.0	PVC	7	**PK24M**
K	M	–50°C to +250°C	2.0	300	3.3	1.0	PVC	7	**PK29M**
K	M	–50°C to +250°C	4.0	100	6.0	1.0	PVC	7	**PK26M**
K	M	–50°C to +250°C	4.0	300	6.4/3.3	1.0	PVC	7	**PK27M**
T	L	–100°C to +250°C	4.0	150	6.4/3.3	1.0	FEP	7	**PT28L**
PST	L	–40°C to +150°C	10.0	150	6.4/3.3	1.0	FEP	7	**PX30L**
T	M	–100°C to +250°C	2.0	100	3.3	1.0	PVC	7	**PT22M**
PT100	L	–200°C to +250°C	8.0	100	3.3	1.0	PVC	7	***PP23L**



Standard and heavy duty industrial probes.

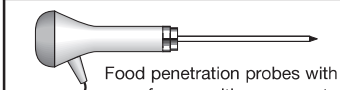
T	M	–100°C to +250°C	0.5	50	1.6	1.0	PVC	7	**PT21M**
K	M	–50°C to +250°C	0.5	50	1.6	1.0	PVC	7	**PK21M**

Short Stem Probe for very fast response.

K	M	–50°C to +250°C	1.5	100	2.5	1.0	PVC	7	**PK31M**

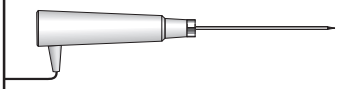
Binder probe for use with "Binder" test plugs for internal measurements in pipes and ducting.

PST	L	–40°C to +150°C	5.0	100	3.3	0.7	FEP	7	***PX22L**
PST	L	–40°C to +150°C	5.0	100	3.3	0.7	FEP	7	***PX23L**
PST	L	–40°C to +150°C	5.0	100	3.3	0.7	FEP	7	***PX24L**
PST	L	–40°C to +150°C	5.0	100	3.3	0.7	FEP	7	***PX25L**
T	L	–100°C to +250°C	2.0	100	3.3	0.7	PTFE	7	***PT24L**
T	L	–100°C to +250°C	2.0	100	3.3	1.0	PVC	7	***PT24L/C**
PST	M	–40°C to +70°C	5.0	100	3.3	3.0	FEP	7	***PX29M**



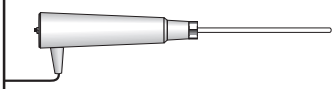
Food penetration probes with coloured end caps for use with cross contamination prevention colour coding systems. PX22L White, PX23L Red, PX24L Green, PX25L Blue.
PT24L - Type T sensor food probe with steel braided lead. PT24L/C - Version of PT24L with coiled lead.
PX29M - Thermistor probe for use with C8800 monitoring systems.

PST	L	–40°C to +150°C	0.5	100	1.6	0.7	FEP	7	***PX16L**
T	L	–100°C to +250°C	0.5	100	1.6	0.7	PTFE	7	***PT23L**



PX16L - Fast response thermistor food probe.
PT23L - Fast response Type T food probe with steel braided lead.

PST	L	–40°C to +150°C	5.0	100	3.3	3.0	FEP	7	***PX27L**



Probe with print start switch for KM1223DTR.

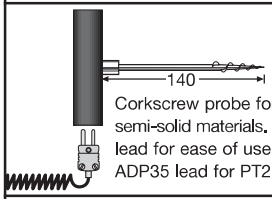
K	M	–50°C to +250°C	2.0	100	3.3	2.5	PTFE	7	**PK23M**
T	L	–100°C to +250°C	2.0	100	3.3	2.5	PTFE	7	**PT26L**

Oven meat probe for checking meat and food temperatures during cooking.

T	L	–100°C to +250°C	2.0	100	2.4	-	-	7	***PT25L**
PST	L	–40°C to +150°C	5.0	100	3.3	-	-	7	***PX33L**

Integral plug probe.

T	L	–100°C to +250°C	4.0	140	8.0	1.0	PVC	-	**PT29L**
T	M	–100°C to +250°C	4.0	140	8.0	1.0	PVC	-	**PT29M**

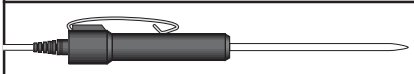


Corkscrew probe for frozen foods and other semi-solid materials. Complete with detachable lead for ease of use, ADP34 lead for PT29L, ADP35 lead for PT29M. See page 4.

PST	E	–40°C to +100°C	5.0	-	-	1.0	PVC	-	***PX31E**

Probe for use with C1742, C1744, C1752, C1754 loggers only.

PST	B	–40°C to +150°C	5.0	80	3.3	0.4	PVC	7	***PX21B**



KM220/KM221 probe.

†The time constant is the time taken for the probe to reach 63% of the value of the temperature change. Multiply x 3 for the time taken to achieve 95% and by 5 for 99%.
Thermocouples:- Tolerances relate to BS EN60584-2 (1993), Class A. *Not suitable for Intrinsically Safe applications.