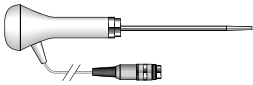
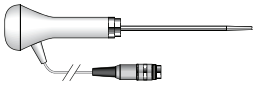
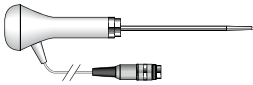
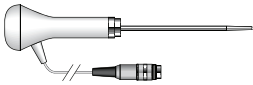
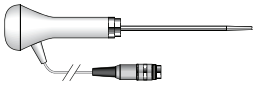
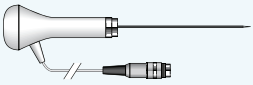
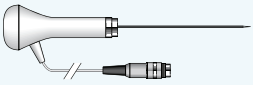








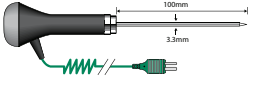
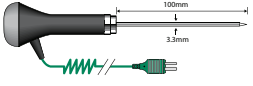
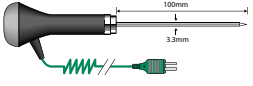
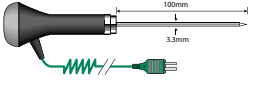
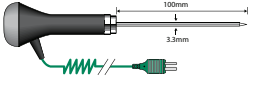
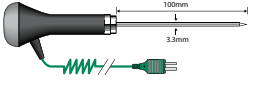
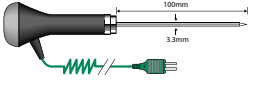
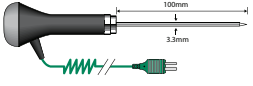
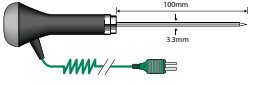
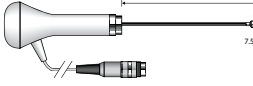
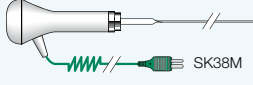
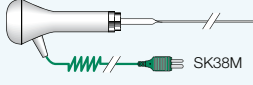
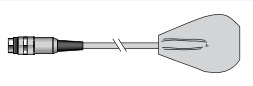
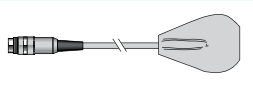

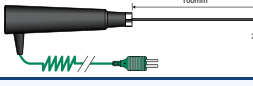
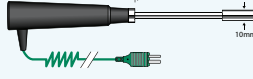


## Penetration Probes

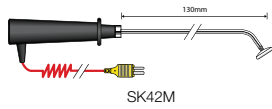
Sensor	Connector	Temp Range °C	Response Time (secs)†	Stem Length (mm)	Stem Dia (mm)	Lead Length (m)	Lead Material	Code
	L	-40°C to +150°C	5.0	100	3.3	0.7	FEP	PX22L‡
	L	-40°C to +150°C	5.0	100	3.3	0.7	FEP	PX23L‡
	L	-40°C to +150°C	5.0	100	3.3	0.7	FEP	PX24L‡
	L	-40°C to +150°C	5.0	100	3.3	0.7	FEP	PX25L‡
	L	-100°C to +250°C	2.0	100	3.3	0.7	PTFE	PT24L‡
<p>For incorporating into your HACCP plan, these food penetration probes with coloured end caps minimise the risk of cross contamination. PX22L White, PX23L Red, PX24L Green, PX25L Blue. PT24L - Type T sensor food probe with steel braided lead. PX22L, PX23L, PX24L, PX25L, PT24L available with 1.0m PVC coiled lead, add /C to order code eg PX22L/C.</p>								
	L	-40°C to +150°C	0.5	100	1.6	0.7	FEP	PX16L‡
	L	-100°C to +250°C	0.5	100	1.6	0.7	PTFE	PT23L‡
<p>PX16L - Fast response thermistor food probe. PT23L - Fast response Type T food probe with steel braided lead.</p>								
	M	-50°C to +250°C	2.0	100	3.3	2.5	PTFE	PK23M
	L	-100°C to +250°C	2.0	100	3.3	2.5	PTFE	PT26L‡
<p>Oven meat probe for checking meat and food temperatures during cooking.</p>								
	L	-100°C to +250°C	2.0	100	2.4	-	-	PT25L‡
	L	-40°C to +150°C	5.0	100	3.3	-	-	PX33L‡
	L	-40°C to +150°C	2.0	75	3.3	1.0	FEP	PX31L‡
	L	-100°C to +250°C	2.0	75	3.3	1.0	FEP	PT31L‡
	L	-100°C to +250°C	2.0	75	3.3	1.0	FEP	PK31L‡
	L	-100°C to +250°C	4.0	140	8.0	1.0	PVC	PT29L‡
<p>Corkscrew probe for frozen foods.</p>								
	M	-50°C to +250°C	2.0	100	3.3	1.0	PVC	PK24M
	M	-50°C to +250°C	2.0	300	3.3	1.0	PVC	PK29M
	M	-50°C to +250°C	4.0	300	6.4/3.3	1.0	PVC	PK27M
	L	-100°C to +250°C	4.0	150	6.4/3.3	1.0	FEP	PT28L‡
	L	-40°C to +150°C	10.0	150	6.4/3.3	1.0	FEP	PX30L‡
	M	-100°C to +250°C	2.0	100	3.3	1.0	PVC	PT22M
	L	-100°C to +250°C	0.5	100	1.5	1.0	PVC	PT19L
	M	-50°C to +250°C	0.2	100	1.5	1.0	PVC	PK19M
	M	-50°C to +250°C	0.2	70	1.1	1.0	PVC	PK15M
<p>Standard and heavy duty industrial probes.</p>								
	L	-100°C to +250°C	0.2	100	7.5	0.7	PTFE	ST21L‡
<p>Ribbon type surface probe with steel braided leads for food applications.</p>								
	M	-50°C to +250°C	4.0	250	8 x 2	1.0	PVC	SK38M
	L	-100°C to +250°C	4.0	250	8 x 2	1.0	PVC	ST38L‡
<p>Heavy duty pallet probes.</p>								
	L	-40°C to +70°C	5.0	-	-	1.0	PTFE	ST23L‡
	L	-40°C to +70°C	15.0	-	-	1.0	FEP	SX23L‡
<p>Between pack temperature probes. ST23L and ST24L with steel braided leads.</p>								
	M	to +260°C	-	-	-	1.0	-	SK40M‡
<p>Griddle probe.</p>								
	M	-50°C to +250°C	0.2	100	7.5	1.0	PVC	SK21M
<p>General purpose probe.</p>								
	M	-50°C to +650°C	0.4	100	10.0	1.0	PVC	SK24M
<p>General purpose probe.</p>								

†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%.

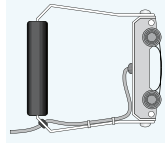
‡Not suitable for Intrinsically Safe applications. Thermocouples:- Tolerances relate to BS EN60584-2 (1993), Class A. All dimensions are in mm.

# Temperature Probes

## Surface Probes



Sensor	Connector	Temp Range °C	Response Time (secs)†	Stem Length (mm)	Stem Dia (mm)	Lead Length (m)	Lead Material	Code
K	M	-50°C to +250°C	0.4	130	10.0	1.0	PVC	SK42M
K	M	-50°C to +650°C	0.4	150/36	10.0	1.0	PVC	SK25M



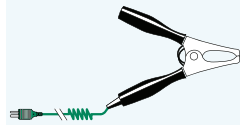
K	M	-50°C to +250°C	2.0	148	-	2.0	PVC	SK28M+
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Roller probe for stationary or moving surfaces including cylinders and flat surfaces. Measures at up to 600m/min surface speed and from 125mm diameter curved to flat surfaces.



K	M	-50°C to +100°C	10.0	-	-	2.5	PVC	SK29M+
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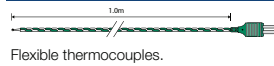
Pipe probe for heating, ventilating and air conditioning applications with 500mm Velcro strap.



K	M	-50°C to +100°C	5.0	-	-	1.0	PVC	SK35M+
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Pipe clamp probe for use in heating, ventilating and air conditioning applications, for pipes 15 to 38mm diameter.

## Air Probes



Flexible thermocouples.

K	M	-100°C to +250°C	0.5	-	-	1.0	PTFE	AK28M
T	M	-100°C to +250°C	2.0	-	-	1.0	PTFE	AT26M
K	M	-100°C to +250°C	0.5	-	-	5.0	PTFE	AK29M
K	M	-100°C to +250°C	0.5	-	-	10.0	PTFE	AK31M
K	M	-100°C to +400°C	0.5	-	-	1.0	FG	AK33M
T	L	-100°C to +250°C	0.4	-	-	1.0	PTFE	AT26L
T	L	-100°C to +250°C	2.0	-	-	1.0	PTFE	AT22L†

Fast response flexible probe with steel braided lead.



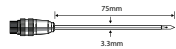
Flexible probes.

PST	L	-40°C to +70°C	10	-	-	1.0	FEP	AX24L†
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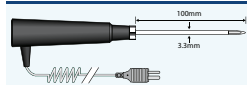
PST	L	-40°C to +70°C	100	-	-	2.0	FEP	DX31L†
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Food simulant probes for long-term measurements of food in fridges and freezers.



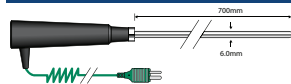
T	L	-100°C to +250°C	0.4	75	3.3	-	-	AT25L†
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Integral plug probe.



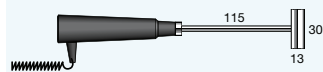
K	M	-100°C to +850°C	0.5	100	3.3	1.0	PVC	AK21M
K	M	-100°C to +250°C	0.4	100	3.3	1.0	PVC	AK27M

General purpose air probes.



K	M	-100°C to +1100°C	3.0	700	6.0	1.0	PVC	AK24M
K	M	-100°C to +1100°C	3.0	1000	6.0	1.0	PVC	AK25M

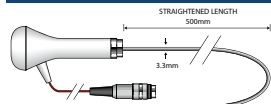
Semi-flexible high temperature air probes.



K	M	-30°C to +120°C	0.5	115/30	13	1.0	PVC	AK26M
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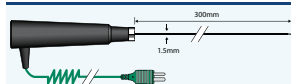
Shrouded air probe for use in air currents.

## Immersion Probes



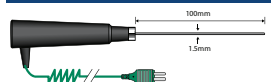
T	L	-200°C to +400°C	1.0	500	3.0	0.7	PTFE	IT21L†
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Deep fat probe with flexible stem for food applications.



T	M	-40°C to +150°C	2.0	90	-	2.0	PTFE	IT23M
T	L	-40°C to +150°C	2.0	90	-	2.0	PTFE	IT23L†
PST	L	-40°C to +150°C	5.0	90	-	2.0	FEP	IX23L†

Weighted milk dip probe for dairy applications, also suitable for other liquid dip applications.



K	M	-100°C to +850°C	0.4	100	1.5	1.0	PVC	IK21M
K	M	-100°C to +850°C	0.4	300	1.5	1.0	PVC	IK23M
K	M	-100°C to +1100°C	1.0	300	3.0	1.0	PVC	IK24M

Probes with type K and T thermocouple sensors also have mineral insulated, semi-flexible stems.

†The time constant is the time taken for the probe to reach 63% of the value of the temperature change. Multiply x3 for the time taken to achieve 95% and by 5 for 99%.  
 †Not suitable for Intrinsically Safe applications. Thermocouples:- Tolerances relate to BS EN60584-2 (1993), Class A. All dimensions are in mm.