

TEMPERATURE PROBES

New probes added

- SURFACE PROBES
- NEEDLE PROBES
- LIQUID PROBES
- FROZEN FOOD PROBES
- AIR PROBES
- GENERAL PURPOSE PROBES

Technical data probes

Probe Type	: K type thermocouple
Accuracy	: Class I Premium grade
Handle	: ABS, 110 mm long, 90°C max.
Shaft	: Stainless steel
Cable	: 1000 mm standard. Coiled polyurethan cable for probes with a handle.
Plug	: K type miniature thermocouple plug

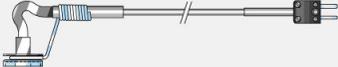
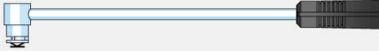
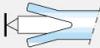
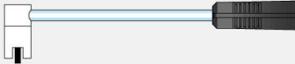
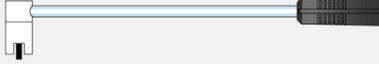
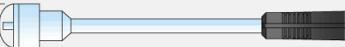
Ordering details

Model

Surface probes

80100	Magnetic surface probe Measures surface temperature of ferrous materials, Ø 14 mm.
80103	Heavy duty right angle surface probe Springloaded measuring disk, shaft 130 mm.
80103A	Heavy duty right angle surface probe Springloaded measuring disk, shaft 300 mm.
80109	Pipe clamp probe Measures pipe surface temperature, Ø 35 mm max
80110	High temperature surface probe Ceramic springloaded tip, fast response spring type junction.
80110A	High temperature surface probe Right angle measuring head as 80110, shaft 130 mm.
80101	Surface probe Designed with a springloaded measuring disk. Shaft 130 mm.
80102A	Electrical insulated surface probe Prevents short circuiting by the shaft. Shaft 130 mm.
80111	PTFE right angle surface probe Band type measuring tip, shaft 130 mm.
80111A	PTFE right angle surface probe Band type measuring tip, shaft 300 mm.
80117	Heavy duty surface probe For harsh environments fast response. Shaft 130 mm.

K

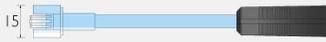
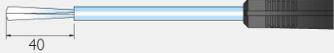
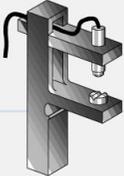
Dimensions (mm)		Response time	Max. temp. at tip
		7 sec.	220°C 428°F
		8 sec.	450°C 842°F
		8 sec.	450°C 842°F
		8 sec.	200°C 392°F
		2 sec.	900°C 1652°F
		2 sec.	900°C 1652°F
		5 sec.	450°C 842°F
		2 sec.	200°C 392°F
		4 sec.	200°C 392°F
		4 sec.	200°C 392°F
		2 sec.	450°C 842°F

Ordering details

Model

Surface probes

80118	Block type flexible band For moving or stationary surfaces, dimensions 50 x 40 x 30 mm.
80118R	Rotating block type flexible band For moving or stationary surfaces. R min. 50 mm.
80500	Fast response springtip sensor For flat surfaces. Shaft 130 mm.
80506	Flat springblade probe 0,3 mm thick blades for surface measurement or between paper, plates etc, dimensions 40 x 8 mm.
80507	Flat Kapton insulated leaf probe Fast response flexible to curve.
80508	Hook and loop thermocouple Fastens back to back for pipe surface measurement, Ø 100 mm max.
80509	Self adhesive patch thermocouple PTFE impregnated fibreglass tape.
80511	Clamp type surface probe Fits to max. 20 mm plates etc.
80512	Rugged magnetic surface probe To suit industrial measurements, Ø 80 x 15 mm.
80513	Miniature magnetic surface probe Dimensions 5 x 5 x 2 mm Twisted pair thermocouple wire PTFE insulated.
80514	Foundry probe with solid thermocouple pins Measures hot metal surfaces or molten metal castings, shaft 500 mm.
80515	Wire mill surface probe To measure running wire in cable mill's.
80516	Universal bearing probe Sensortip adjustable 6..70mm can be placed in upper or lower jaw, springloaded. Sensor is replaceable.

Dimensions (mm)		Response time	Max. temp. at tip
		3 sec.	250°C 482°F
		1 sec.	200°C 392°F
		3 sec.	400°C 752°F
		5 sec.	400°C 752°F
		1 sec.	300°C 572°F
		5 sec.	100°C 212°F
		2 sec.	250°C 482°F
		7 sec.	200°C 392°F
		12 sec.	150°C 302°F
		2 sec.	200°C 392°F
		2 sec.	1260°C 2300°F
		2 sec.	250°C 482°F
		3 sec.	400°C 752°F

Ordering details

Model

Surface probes

80521

Surface block probe for clamp mounting

Shaped to suit flat round and curved surfaces, dimensions 50 x 12 mm. Silicon cable. IP 65

80522

Miniature bandtype surface probe

For electronic parts IC's, transistors etc.

80530

Sturdy surface probe

Fast response spring type junction, embedded in silicon.

80531

Clamp surface probe

Fits any surface, jaws adjustable, 50 mm max. Fixation with a crank.

Model

General purpose probes

80104

Bendable probe

For gas, liquids, open fire etc. Shaft 130 mm.

80104A

Bendable probe

For gas, liquids, open fire etc. Shaft 300 mm.

80105

Bendable probe, fast response

For gas, liquids, open fire etc. Shaft 130 mm.

80105A

Bendable probe, fast response

For gas, liquids, open fire etc. Shaft 300 mm.

80114

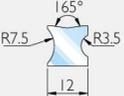
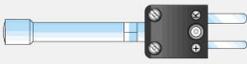
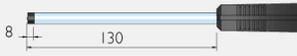
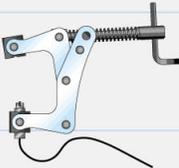
Bendable probe

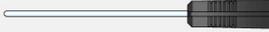
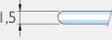
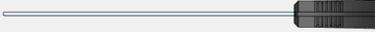
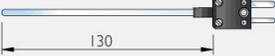
Mini plug termination. Insulated hot junction.

80115

Bendable probe

Sharp tip mini plug termination. Insulated hot junction.

Dimensions (mm)		Response time	Max. temp. at tip
		20 sec.	200°C 392°F
		3 sec.	250°C 482°F
		2 sec.	300°C 572°F
		3 sec.	300°C 572°F

Dimensions (mm)		Response time	Max. temp.
		12 sec.	1100°C 2012°F
		12 sec.	1100°C 2012°F
		6 sec.	900°C 1652°F
		6 sec.	900°C 1652°F
		12 sec.	600°C 1112°F
		12 sec.	600°C 1112°F

Ordering details

Model

Needle probes

80106

Heavy duty penetration probe

Sharp tip for easy penetration into semi solids like rubber, soil, plastic, fruit etc. Shaft 130 x 3 mm.

80107

Penetration probe

Fast response sharp tip for easy penetration into semi solids like rubber, soil, plastic, fruit etc. Shaft 130 x 1,5 mm.

80119

Frozen food probe -180°C and up.

To screw in to product. Detachable cable.

80504

Hypodermic needle probe

With direct cable, stiff insertion into hard semi solids.

80505

Hypodermic needle probe

Stiff insertion into hard semi solids

80525

Tyre probe

With stiff penetration shaft to measure the tyre temperature at races etc.

Model

Air probes

80108

Air temperature probe

Fast response for use in air or gas flows. Shaft 130 mm.

80116

Air temperature probe

Mini plug termination exposed hot junction.

80510

Clamp type air probe

Fits to max. 20 mm.

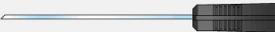
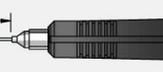
Model

Wire probes

80120

Wire probe

Glasfibre insulated, exposed junction.

Dimensions (mm)		Response time	Max.temp. at tip
		12 sec.	600°C 1112°F
		6 sec.	600°C 1112°F
		18 sec.	200°C 392°F
		3 sec.	200°C 392°F
		3 sec.	200°C 392°F
		3 sec.	200°C 392°F
Dimensions (mm)		Response time	Max.temp. at tip
		2 sec.	600°C 1112°F
		2 sec.	600°C 1112°F
		2 sec.	200°C 392°F
Dimensions (mm)		Response time	Max.temp. at tip
		1 sec.	480°C 896°F

Ordering details

Model

Wire probes

80121

High temperature wire probe

Ceramic fibre insulated, exposed hot junction. Each wire 0,8 mm.

80501

Twisted wire probe

Each wire 0,2 mm, PTFE insulated.
Exposed hot junction.

80502

Wire probe

Insulated hot junction, PTFE jacket. Flexible to use.

80503

Caddy plug wire probe

PTFE insulated wire with exposed hot junction.

Model

Custom measurement sensors

80517

Chemical resistant tank probe.

Stainless steel weight for straight down insertion in liquids.
Length 10 meter PTFE insulated cable.

80518

Non ferrous foundry probe

Holder incl. dip element, universal instrument area,
dimensions 175 x 75 mm.

80524

Bolt-on washer type sensor

8 mm hole in nickel plated brass ring.

80526

PFA coated probe

For caustic and corrosive chemical liquids.
Bendable shaft 300 mm.

80540

Black body probe

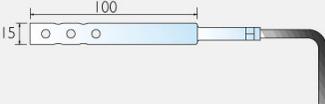
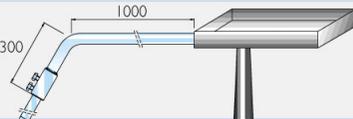
Absorbs and measures all radiation incidents upon it, supplied
incl. support.

80570

Solder iron probe

To measure soldering iron tips.

Dimensions (mm)	Response time	Max.temp. at tip
	1 sec.	1430°C 2606°F
	1 sec.	250°C 482°F
	1 sec.	250°C 482°F
	1 sec.	250°C 482°F
	1 sec.	250°C 482°F

Dimensions (mm)	Response time	Max.temp. at tip
	12 sec.	250°C 482°F
	30 sec.	1260°C 2300°F
	15 sec.	200°C 392°F
	12 sec.	220°C 428°F
		250°C 482°F
	2 sec.	500°C 932°F

Ordering details

Model

Accessories

80122	Thermocouple wire 2 x 0,2 mm. each wire and overall jacket teflon FEP
80516A	Spare sensor for 80516
80518A	Spare dip element for 80518
80520	Thermocouple extension cable Length 10 meter for use with all miniplug type K probes (other length available) max. 85°C.
80550	Adaptor plug mini female/ large (round pin)male
80551	Adaptor plug mini male/ large (round pin)female
80560	Thermal attachment pads Attaching small diameter thermocouples e.g. exposed hot junction wire probes e.g. 80122

Technical data probes

Probe Type	: Pt100 resistance element 3 wire system
Accuracy	: according to IEC 751 class B
Handle	: ABS, 110 mm long, 90°C max.
Cable	: 1000mm standard. Coiled polyurethan cable for probes with a handle.

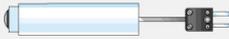
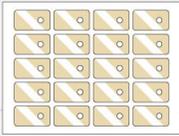
All Pt100 probes come with stripped ends, connector optional

Model

Surface probes

82109	Every angle surface probe Flexible tip for surface measurement.
82509	Self adhesive bendable Pt 100 sensor Silicon patch size 35 x 13 x 2 mm fast response by use of aluminium contact foil. PTFE wires length 4 meter. Good chemical resistance.

K

Dimensions (mm)	Response time	Max.temp. at tip
		215°C 419°F
	3 sec.	400°C 752°F
	30 sec.	1260°C 2300°F
		85°C
		
		250°C 482°F

Pt 100

Dimensions (mm)	Response time	Max.temp. at tip
	4 sec.	300°C 572°F
	2 sec.	250°C 482°F

Ordering details

Model

Surface probes

82521

Surface block probe for clamp mounting

Shaped to suit flat round and curved surfaces.
Dimensions 50 x 12 mm. Silicon cable. IP 65

Model

General purpose probes

82104

Bendable probe

For gas, liquids, open fire etc. Shaft 130 mm.

82525

Close-end tube probe

Dim. 50 x 6 mm, PTFE insulated wires 1000 mm.

Model

Needle probes

82106

Heavy duty penetration probe

Sharp tip for easy penetration into semi solids like rubber, soil, plastic, fruit etc. Shaft 130 mm.

Model

Air probes

82108

Air temperature probe

Fast response for use in air or gas flows.

Model

Custom measurement sensor

82526

PFA coated probe

For caustic and corrosive chemical liquids, bendable shaft 300 mm.

82527

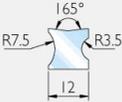
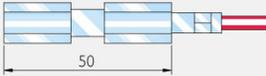
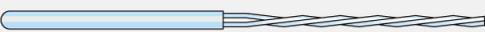
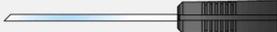
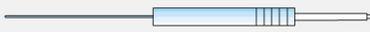
Laboratory probe

Length 200 mm Ø 0,5 mm, PTFE insulated cable.

82524

Bolt-on type sensor

Stainless steel mounting plate.
Dim. 23 x 10 with twisted wire, length 1000 mm.

Dimensions (mm)		Response time	Max.temp. at tip
		20 sec.	200°C 392°F
Dimensions (mm)		Response time	Max.temp. at tip
		7 sec.	600°C 1112°F
		7 sec.	200°C 392°F
Dimensions (mm)		Response time	Max.temp. at tip
		7 sec.	600°C 1112°F
Dimensions (mm)		Response time	Max.temp. at tip
		5 sec.	600°C 1112°F
Dimensions (mm)		Response time	Max.temp. at tip
		12 sec.	220°C 428°F
		4 sec.	240°C 464°F
		15 sec.	200°C 392°F

