Shark Tail Handheld Probe - General Purpose Probe
General Purpose Probe, 1.5 or 6mm x 100 or 300mm (IEC, ANSI or JIS) Thermocouple & PRT Probe Options

IP 67

KEY FEATURES

✓ *IP67 rated*

✓ *Torque & tensile tested*

✓ *Antimicrobial handle*

✓ *Ergonomically designed*

Description

These general purpose handheld sensors have an ergonomically designed handle for ease of use. The handle also contains an antimicrobial substance which kills microorganisms, making it ideal for the food industry or applications where cleanliness is paramount.

The solid handle and cable have also been tested for torque and tensile strength. The curly polyurethane cable is 2 metres long (extended) with a moulded on connector in IEC, ANSI or JIS colours.

The handle has been tested to IP67, which means it is totally protected against dust ingress and protected against short periods of immersion in water (see below for further details).

Specifications

Probe length:	100 or 300mm
Probe Diameter:	1.5 or 3mm (4mm PRT Probe)
Cable Length:	2 metres (extended)
Cable termination:	K or T Miniature plug (IEC 584, ANSI MC96.1 or JIS 1610)
	PRT bare wires (4 wires) (IEC 751)
Probe temperature range:	Type 'K' -50°C to +1100°C
	Type 'T' -50° to + 400°C
	PRT -50°C to +260°C
Sensor type:	General purpose, Type K, T or PRT
Construction:	Mineral insulated Thermocouple, 316 stainless steel
Element/hot junction:	Single element, junction insulated from sheath
	(offers protection against spurious electrical signals)
Cable:	2 metre Polyurethane (extended), colour coded in accordance with
	IEC, ANSI or JIS with moulded on miniature plug.

0005-0314/S-TAIL/GENERAL PURPOSE

LABFACILITY

LABFACILITY
TEMPERATURE & PROCESS TECHNOLOGY

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Ordering Information

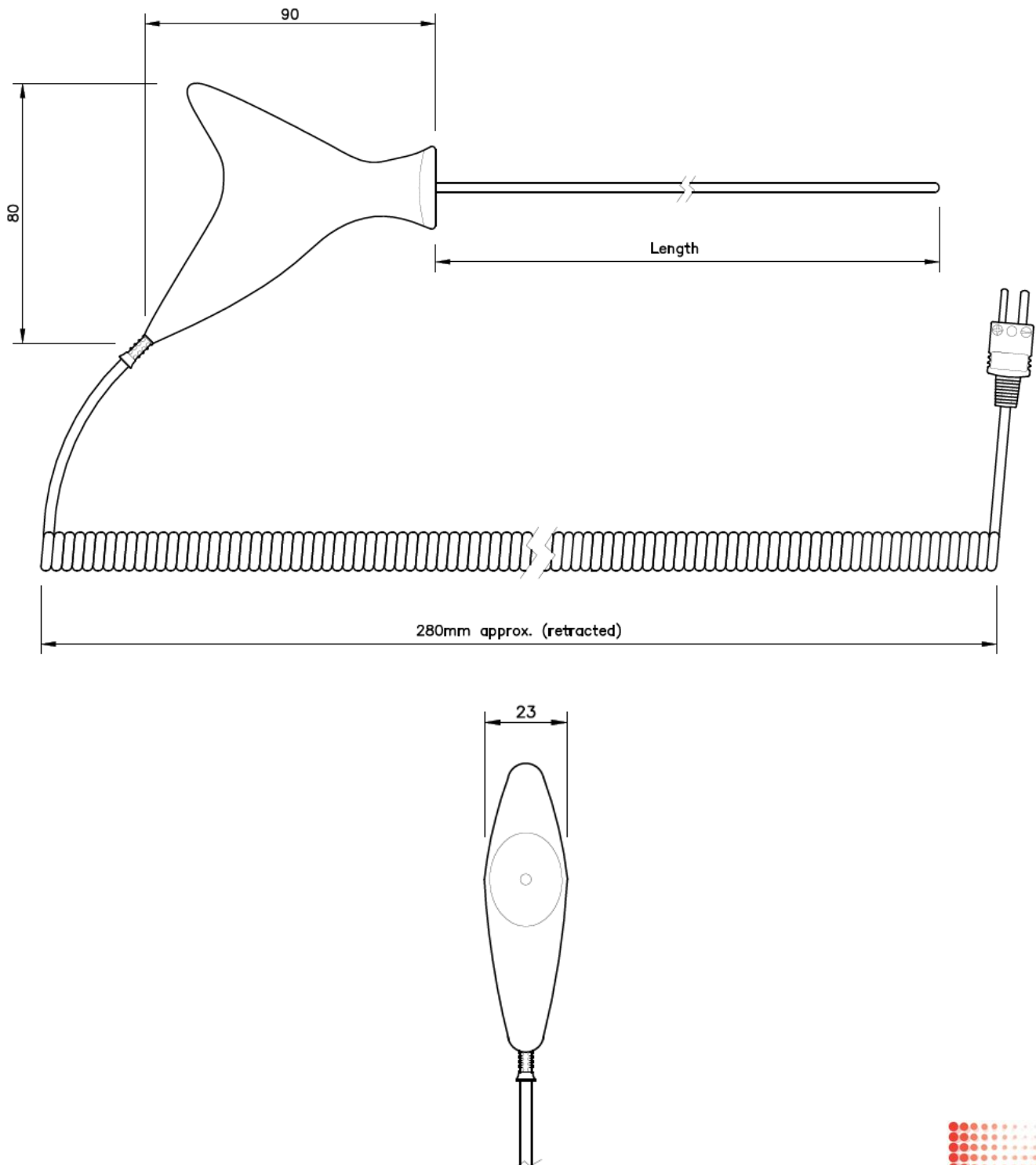| CALIBRATION TYPE	COLOUR CODE	PROBE DIAMETER (mm)	PROBE LENGTH (mm)	LEAD LENGTH (m)	LEAD COLOUR	ORDER CODE
K	IEC	1.5	100	2	GREEN	XE-6501-001
T	IEC	1.5	100	2	BROWN	XE-6502-001
K	IEC	1.5	300	2	GREEN	XE-6503-001
T	IEC	1.5	300	2	BROWN	XE-6504-001
K	IEC	3	100	2	GREEN	XE-6505-001
T	IEC	3	100	2	BROWN	XE-6506-001
K	IEC	3	300	2	GREEN	XE-6507-001
T	IEC	3	300	2	BROWN	XE-6508-001
K	ANSI	1.5	100	2	YELLOW	XE-6560-001
T	ANSI	1.5	100	2	BLUE	XE-6561-001
K	ANSI	1.5	300	2	YELLOW	XE-6562-001
T	ANSI	1.5	300	2	BLUE	XE-6563-001
K	ANSI	3	100	2	YELLOW	XE-6564-001
T	ANSI	3	100	2	BLUE	XE-6565-001
K	ANSI	3	300	2	YELLOW	XE-6566-001
T	ANSI	3	300	2	BLUE	XE-6567-001
K	JIS	1.5	100	2	BLUE	XE-6610-001
T	JIS	1.5	100	2	BROWN	XE-6611-001
K	JIS	1.5	300	2	BLUE	XE-6612-001
T	JIS	1.5	300	2	BROWN	XE-6613-001
K	JIS	3	100	2	BLUE	XE-6614-001
T	JIS	3	100	2	BROWN	XE-6615-001
K	JIS	3	300	2	BLUE	XE-6616-001
T	JIS	3	300	2	BROWN	XE-6617-001
PRT	-	4	100	2	BLACK	XE-6601-001

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Sharktail Dimensions

90

80

Length

280mm approx. (retracted)

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What is IP67?

The IP Code, International Protection Marking, sometimes misinterpreted as Ingress Protection Marking, classifies and rates the degree of protection provided against the intrusion (including body parts such as hands and fingers), dust, accidental contact, and water by mechanical casings and electrical enclosures.

Solid particle protection

The first digit indicates the level of protection that the enclosure provides against access to hazardous parts (e.g., electrical conductors, moving parts) and the ingress of solid foreign objects.

Level	Object size protected against	Effective against
6	Dust tight	No ingress of dust; complete protection against contact (dust tight)

Liquid ingress protection

The second digit indicates the level of protection that the enclosure provides against harmful ingress of water.

Level	Protected against	Testing for	Details
7	Immersion up to 1 m	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).	Test duration: 30 minutes Immersion at depth of at most 1 m measured at bottom of device, and at least 15 cm measured at top of device.

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SHARK TAIL SENSOR RANGE:

Needle Tip Probe

Probe length:
60, 120 or 300 mm

Probe Diameter:
1.6 or 3.3mm

Sensor type:
Type K , T or PRT

Air Tip Probe

Probe length:
110mm

Probe Diameter:
4mm

Sensor type:
Type K, T or PRT

Heavy Duty Needle Tip Probe

Probe length:
120 or 300mm

Probe Diameter:
6mm

Sensor type:
Type K or T

Flat Food Tip Probe

Probe length:
150 or 300mm

Probe Diameter:
4 or 6mm

Sensor type:
Type K or T

General Purpose Tip Probe

Probe length:
100 or 300mm

Probe Diameter:
1.5 or 3mm (4mm PRT)

Sensor type:
Type K, T or PRT

Reduced Needle Tip Probe

Probe length:
120mm

Probe Diameter:
3.3mm, down to 2.2mm at tip

Sensor type:
Type K or T