# LABFACILITY
## TEMPERATURE & PROCESS TECHNOLOGY

**nqa.**
**ISO 9001**
**Registered**

# Shark Tail Handheld Probe - Flat Food Probe
## Flat Food Probe, 4 or 6mm x 150 or 300mm (IEC, ANSI or JIS)



IP 67

## KEY FEATURES

✓ *IP67 rated*

✓ *Torque & tensile tested*

✓ *Antimicrobial handle*

✓ *Ergonomically designed*

### Description

These flat food 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 polurethane 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: | 150 or 300mm |
| Probe Diameter: | 4 or 6mm |
| Cable Length: | 2 metres (extended) |
| Cable termination: | K or T Miniature plug (IEC 584, ANSI MC96.1 or JIS 1610) |
| Probe temperature range: | Type 'K' -50°C to +260°C |
| | Type 'T' -50°C to +260°C |
| | |
| Sensor type: | Flat tip thermocouple, Type K or T. |
| Construction: | Mineral insulated Thermocouple to IEC, ANSI or JIS. |
| Element/hot junction: | Single element, grounded junction offering fast response. |
| Cable: | 2 metre Polyurethane (extended), colour coded in accordance with IEC, ANSI or JIS  with moulded on miniature plug. |

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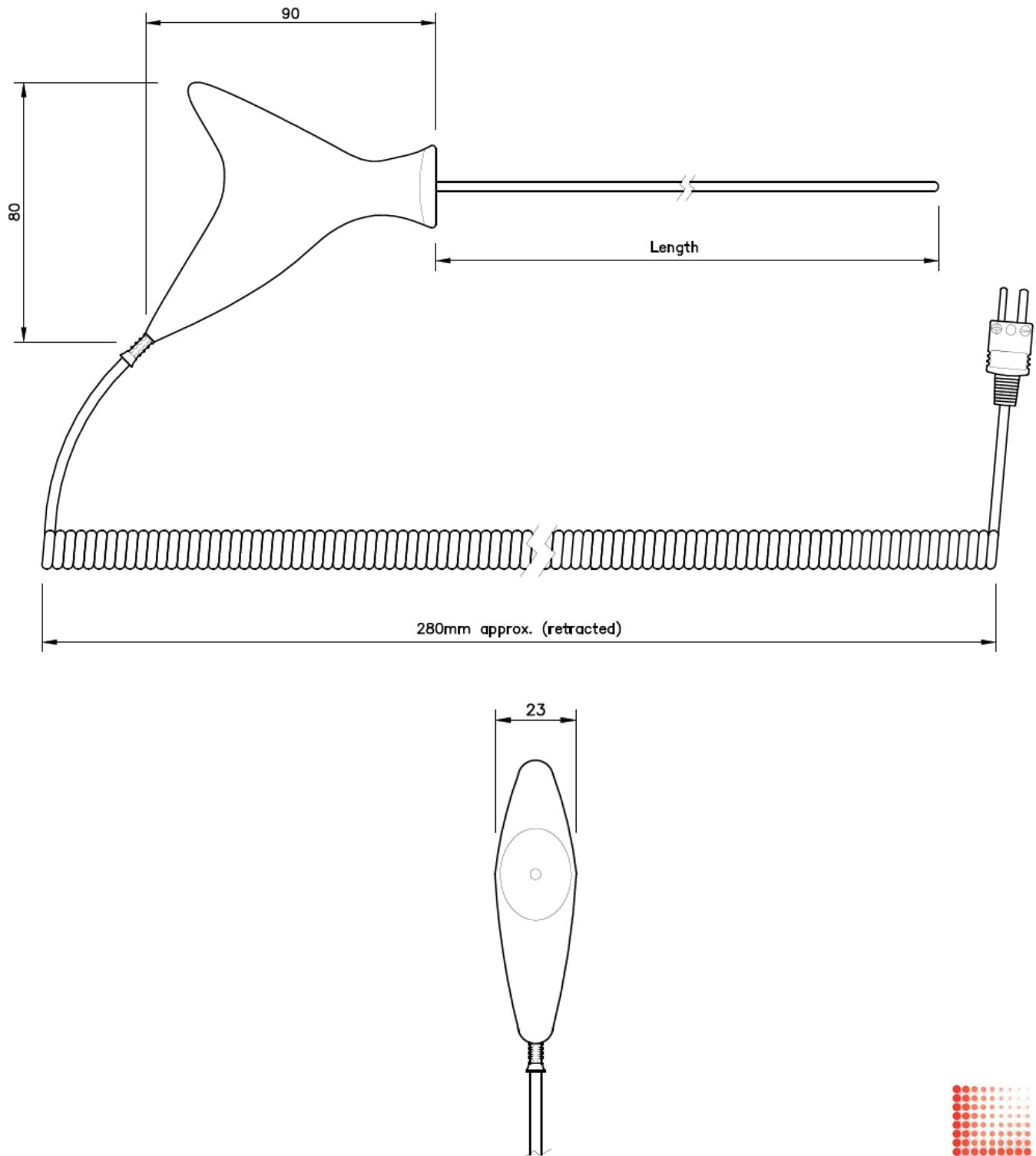# Flat Food Probe, 4 or 6mm x 150 or 300mm (IEC, ANSI or JIS)

*Ordering Information*

| CALIBRATION TYPE | COLOUR CODE | PROBE DIAMETER (mm) | PROBE LENGTH (mm) | LEAD LENGTH (m) | LEAD COLOUR | ORDER CODE |
|---|---|---|---|---|---|---|
| K | IEC | 4 | 150 | 2 | GREEN | XE-6550-001 |
| T | IEC | 4 | 150 | 2 | BROWN | XE-6551-001 |
| K | IEC | 6 | 300 | 2 | GREEN | XE-6552-001 |
| T | IEC | 6 | 300 | 2 | BROWN | XE-6553-001 |
| K | ANSI | 4 | 150 | 2 | YELLOW | XE-6582-001 |
| T | ANSI | 4 | 150 | 2 | BLUE | XE-6583-001 |
| K | ANSI | 6 | 300 | 2 | YELLOW | XE-6584-001 |
| T | ANSI | 6 | 300 | 2 | BLUE | XE-6585-001 |
| K | JIS | 4 | 150 | 2 | BLUE | XE-6632-001 |
| T | JIS | 4 | 150 | 2 | BROWN | XE-6633-001 |
| K | JIS | 6 | 300 | 2 | BLUE | XE-6634-001 |
| T | JIS | 6 | 300 | 2 | BROWN | XE-6635-001 |



0004-0314/S-TAIL/FLAT

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**Sharktail Dimensions**



90

80

Length

280mm approx. (retracted)

23

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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