

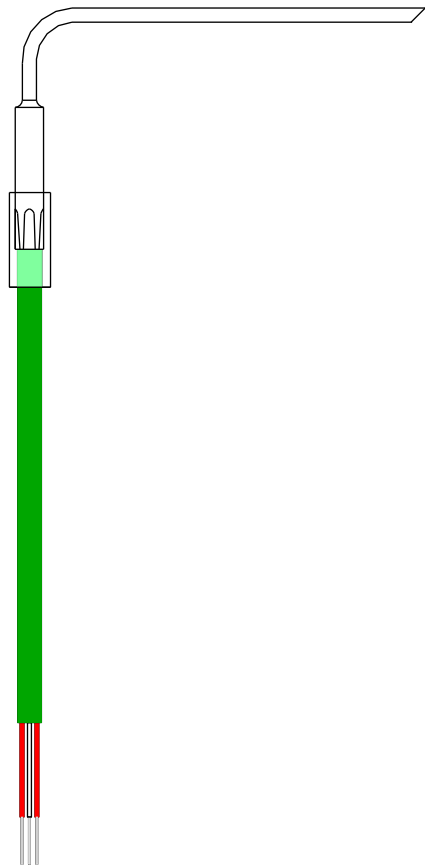
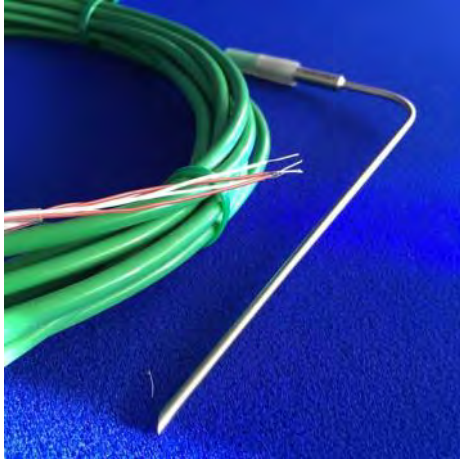
Product Code: SL160

Description:

This assembly is an autoclave load probe especially designed to be used with products in bottles or bags.

It has a chisel point to allow penetration into the product bottle seal. A 90° bend in the probe also enables the orientation of the product bottle or bag to remain undisturbed.

The PTFE insulated sensor leads are encased in a thick walled, extruded silicone jacket, which resists the effects of high temperature steam when used with steam autoclaves and the pure water of a water cycle system.



Specification:

SHEATH DIMENSIONS	Diameter : 3.0mm or 1/8" as standard. Length: 100mm to as required. Position of bend 30mm minimum from collar.
COLLAR DIMENSIONS	6mm or 1/4" OD Length: 35mm min
MATERIAL	316/316L stainless steel
RTD OPTION	
DETECTOR	Single or duplex PT100 with 2, 3 or 4 wire connection, Class 'A' or fractional DIN tolerance and to BS EN 60751:2008.
LEADS	FEP insulated copper conductors, 7/0.15mm (26 AWG) or 7/0.12mm (28 AWG) depending on configuration, to ASTM-B-298 with 250V RMS rating as standard and with a heavy duty extruded silicone rubber jacket, FDA listed (21CFR 177 2600) and is available to USP Class VI on application.
OPERATING RANGE	-50 to +150°C
THERMOCOUPLE OPTION	
ELEMENT	Single, duplex or triplex element, type 'T' (Cu/Con) to BS EN 60584-1:2013.
LEADS	FEP insulated type 'T' conductors, 7/0.2mm as standard in Class 1 material and encased in a thick walled, extruded silicone rubber jacket, FDA listed (21CFR 177 2600) and is available to USP Class VI on application. Minimum overall length of 1000mm.
OPERATING RANGE	-50 to +150°C

Datasheet : 007

**Product Code:
SL160****Probe Mounting Options**

For this type of probe the seal is made directly onto the cable, using Teflon® olives.

All the options below can be supplied along with the probes, or ordered separately.

Hygienic Compression Fitting:

The fitting is designed to fit over the silicone cable, and consists of a compression fitting with Teflon® olive, and a choice of tri-clover flanges (0.5-0.75", 1-1.5", 2", 2.5", 3"). All in 316 stainless steel.

Single and multiprobe options available for sealing up to 3 probes through a single fitting.

Threaded Fitting:

A wide range of 316 stainless compression fittings are available, to fit over the silicone cable using a Teflon® olive.

Thread types: NPT, BSPT, BSPP, Metric

Thread sizes: Imperial and metric sizes

Olive: Teflon®

Datasheet : 007

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Name:

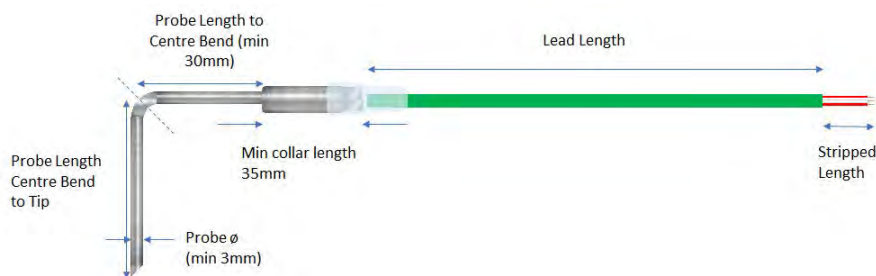
Email:

Organisation:

Tel:

Country

Section 1 - unit dimensions (in mm)



Section 2 - Sensor Configuration

Sensor Number

Single
Duplex
Triplex

Type T Thermocouple Only

Hot Junction

G Grounded
s Insulated

PT100 Only

Type

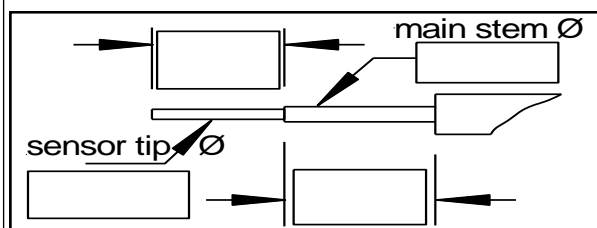
Class 'A'
Class 'AA'
1/10 DIN

Wires

2 wire
3 wire
4 wire

Section 3 - Optional Features (in mm)

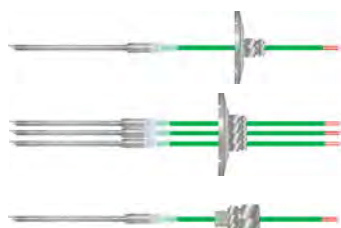
Reduced Probe Tip



Chisel Pointed Tip



Section 4 - Mounting Options



Triclover single probe

Triclover multi probe

Threaded single probe

Tri-clover size / thread
type and size?

Section 4 - Application Details

Number of probes required

Additional information

Make of Autoclave

Industry Type