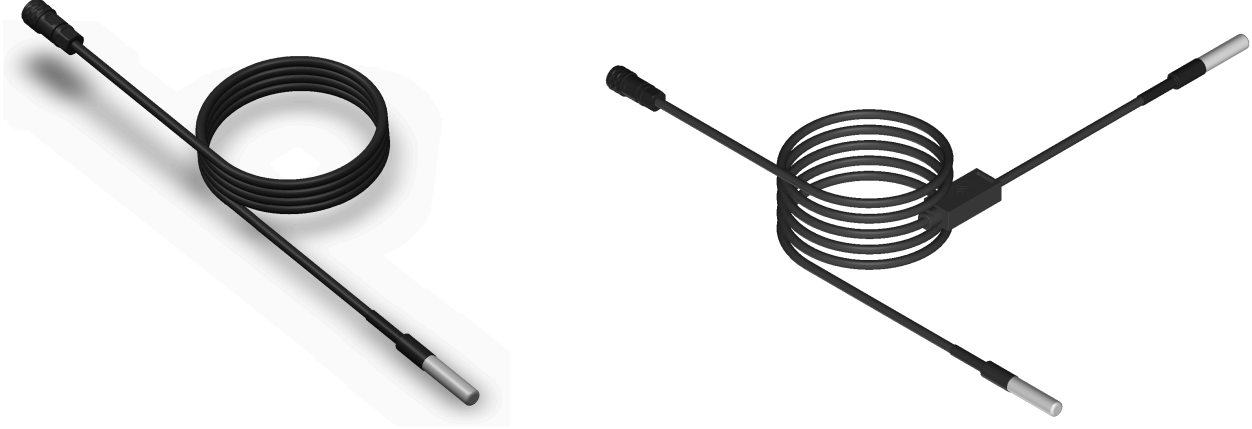# Technical Datasheet

Single and Multi Probe Thermal Tails

The Converge Single and Multi probe thermal tails are waterproofed robust temperature sensors designed to be connected to the Converge Signal sensor and embed them in concrete or similar applications.

Safety instructions

Warnings

- This device is intended for use as a construction monitoring sensor and not for use in domestic or commercial settings;
- The connection to incompatible devices rather than the Signal Sensor + or Helix Node connector may affect compliance or result in damage to the unit and invalidate the warranty;
- This product should only be connected to the Signal Sensor + or Helix Node distributed by Converge.

Instructions for safe use

- Compatible only with Converge Signal Sensors and Helix Nodes distributed by Converge;
- Avoid using metal fixings, this may impair the functionality and safety of the device;
- Install the device away from areas which may be saw cut, cored or drilled through;
- Do not attempt to open or modify the device, any modifications may impair the functionality and safety of the device;
- Do not store at a temperature greater than +45°C or lower than -20 °C;
- Avoid applying high pressure or impact to the connector (for example by standing on it);
- Converge Tails are not recyclable, and should not be disposed of in general household or commercial waste or in landfill.

Benefits and Features

- Waterproofed and robust design to be fully embedded in concrete, while connected to a Converge Signal Sensor + and Helix Node

- Temperature tails can be attached to the body to get data from different points along one single element;
- Available in different lengths and variable amount of probes to get more data points per pour;
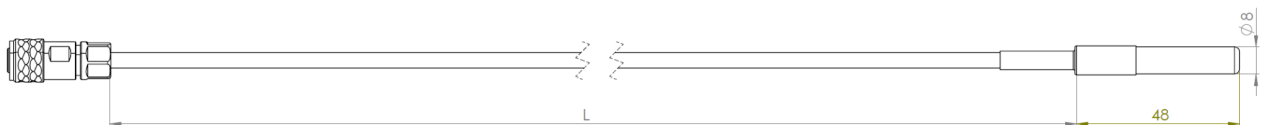
Technical specifications

Connector type	Weipu SA8 series (Push-Pull)
Connector material	Anodized aluminium
Probe diameter	8 mm (0.31")
Probe length	48 mm (1.89")
Probe material	Stainless steel
Tail Cable material	PVC
Operational temperature range	-55 to 125°C (-67 to 257 °F)
Temperature sensor accuracy	±0.5°C Accuracy from -10°C to +85°C (from 14 to 185°F)

Thermal Tails Variations

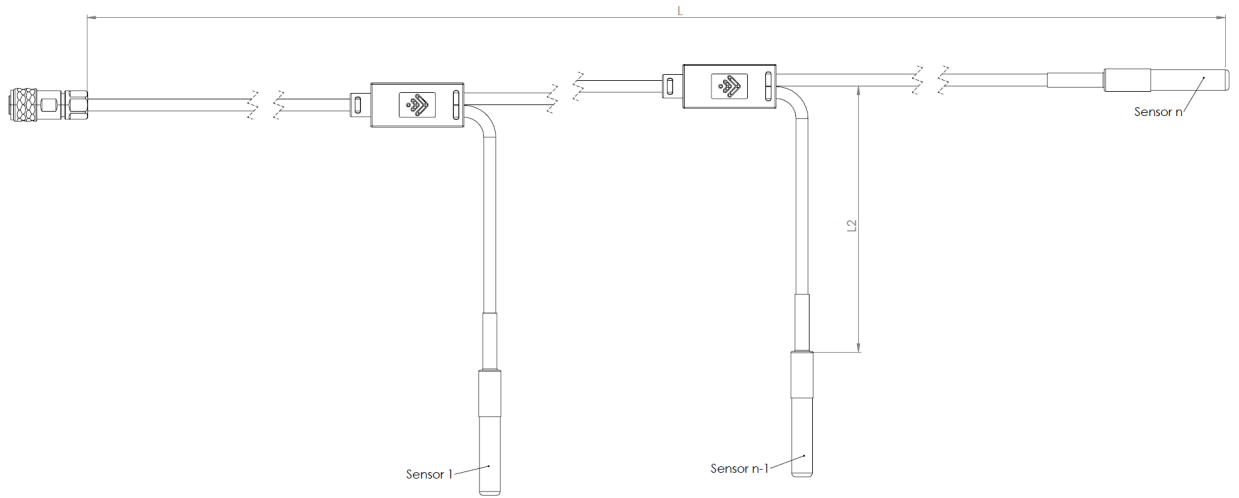| SKU	Total tail length [L] *(From connector to furthest probe)*	Length to probe [L2] *(From joint to probe)*	No. probes [n]
SPTT2-001	1 ± 0.03m 39.3 ±1/32 in	N/A	1
SPTT2-003	3 ± 0.03m 118 ±1/32 in	N/A	1
SPTT2-0010	10 ± 0.03m 393.7 1/32 in	N/A	1
MPTT2-0201	2 ± 0.03m 78.7 ±1/32 in	0.2 ± 0.02m 7.8 ±1/32 in	2

SPTT2-XXX
(Dimensions in mm)

SPTT2-XXX

(Dimensions in mm)

Sensor n

L2

Sensor 1

Sensor n-1

CE

FC

Designed and distributed by:

converge

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