

**Hydronix**

Fast Response, Linear Temperature Sensor  
for Concrete Mixers and Aggregate Bins

# Thermo-Tuff



**THE ORIGINAL – THE LEADERS – THE BEST**

# Temperature Measurement

The Thermo-Tuff is a low cost, fast response, high precision, linear temperature sensor that has been designed to be used in the harshest of environments such as concrete mixers and aggregate bins. This sensor outclasses its rivals by taking advantage of high speed, high accuracy electronics, thermally isolated from their surroundings to achieve the fastest possible temperature response.

## Technical Information

### Construction

Body: Stainless Steel.

Sensing Head: Hardened Steel.

### Fixing

Bins and Silos: Install in the wall of the bin using the Extension Mounting Sleeve and Collar.

Mixers: Install in the floor of the mixer using the Standard Mounting Collar.

### Measurement Range

0-80 degrees C.

### Response Time

Installed T90: Industry leading 56 seconds.

### Power Supply

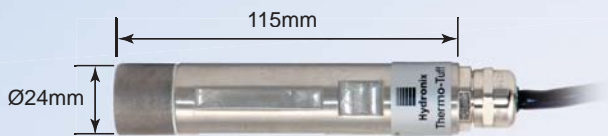
The sensor is powered by the 4-20mA current loop.

### Analogue Output

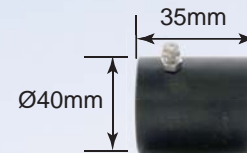
Continuous 4-20mA signal, scaled to read between 0 and 80 degrees C.

### Cable

Supplied with 4 metre two core screened cable.



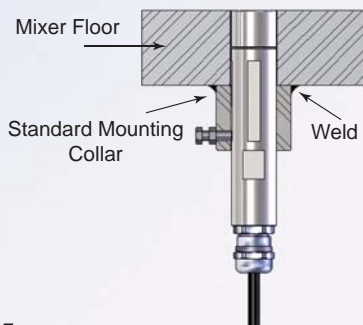
Standard Mounting Collar



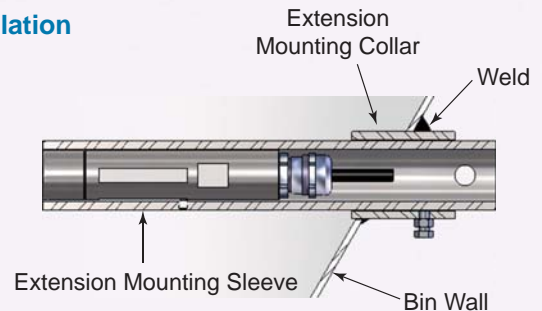
Extension Mounting Sleeve and Collar



### Mixer Installation



### Bin Installation



**Hydronix**

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#### Part Number

#### Description

|      |                                      |
|------|--------------------------------------|
| TT01 | Thermo-Tuff Sensor                   |
| 0310 | Standard Mounting Collar             |
| 0320 | Extension Mounting Sleeve and Collar |

[www.hydronix.com](http://www.hydronix.com)