ENV-TSTAIN & ENV-TULTRA



Sensor Application Guide

I. Overview

The ENV-TSTAIN and ENV-TULTRA are designed to monitor temperatures where our traditional temperature sensors can't be used. They have both IP65-rated enclosures and stainless steel-protected platinum head. The ENV-TULTRA can be used in extremely low temperatures up to -200° Celsius.

This document aims to guide the user in installing our ENV-TSTAIN and ENV-TULTRA in your facilities and also to provide recommendations for sensor placement.

You may visit the sensor page through:

ENV-TSTAINhttps://infrasensing.com/sensors/sensor stainless steel temperature.aspENV-TULTRAhttps://infrasensing.com/sensors/sensor temperature ultra.asp

II. What you need

- Power source (PoE or 12V DC)
- BASE-WIRED
- LAN cable
- Sensor probe (ENV-TSTAIN or ENV-TULTRA)

III. Recommended sensor placement

- When mounting the sensor, the gray sensor box should be always outside the liquid or outside the freezer or fridge.
- The metal sensor tip should not touch the walls of the enclosure it is as this may generate false readings.
- It should be floating in the air or liquid it is meant to monitor.



IV. Sensor parts

5.1. ENV-TSTAIN



5.2. ENV-TULTRA



V. Installation

5.1. Supply power to the BASE-WIRED via PoE(power over ethernet) or 12vDC adapter(BASE-PWR). Other power options include BASE-PWR-USB, ADDON-POE, and ADDON-UPS.



5.2. Connect the BASE-WIRED to the sensor probe.

• Via direct LAN connection





• Via LoRa(EXP-LWHUB and NODE-LW-1P)



5.3. Place the end-probe of the sensor inside the cold storage.

