

TruSense

Input Module

CO2-TS

The TruSense Input modules are an I2C based module with memory and the interface to the sensors. When an Input module is connected to a TruSense logger the logger reads the Input Module's memory and this gives the logger all the information on the sensors that may be attached to the module.

The CO2-TS module has a Non - dispersive infrared (NDIR) absorption Co2 Sensor attached with 1.0 meters of cable. This displays in ppm of CO2. Inside the Co2 sensor box is a switch that allows you to re-calibrate to 400ppm (open air Co2 concentration).



Specifications

Size

Dimensions 145mm long, 65mm wide, 45mm high.

Environment

Protection IP20, indoor use only

CO2 Sensor

Sensor: GC-0015 COZIR WR 5% CO2 Sensor

Range: 0-50000ppm CO2

Resolution 1ppm Co2

Accuracy: ± 70 ppm +/- 5% of reading

Operating Range 0°C to 50°C

Pressure Range 950 mBar to 40 Bar

Time re-calibration ~1 Year

Pressure

Dependence: 0.17% of reading per mBar

Non Linearity: < 1% of FS

We can supply Co2 sensors for 200,000ppm, 650,000ppm and 1,000,000ppm