

# TruSense

## Input Module

# DO-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 DO-TS module has a Galvanic Dissolved Oxygen Sensor attached with 1.5 meters of cable. This displays in % dissolved Oxygen on the dashboard but in mV on the logger. The user needs to insert the calibration value into the dashboard when required.



## Specifications

### Size

Dimensions 130mm long 17mm dia sensor only

### Environment

Protection IP67, indoor/outdoor.

### Galvanic Dissolved Oxygen Sensor

Sensor: DO1200/T (Sensorex)  
Range: 0-100% DO  
Resolution 1% DO  
Materials: Epoxy and Noryl  
Membrane Materials: PTFE (Teflon)  
Operating Range 0°C to 50°C  
Pressure: 0-100 PSIG (0-7.5 bar)  
Time recalibration ~1 Year  
Life expectancy 5 Years +  
Maintenance ~18 Months  
Refillable Yes

This Dissolved Oxygen Probe can be fully submerged in fresh water or salt water, up to the connector indefinitely.

One of the drawbacks from using a galvanic probe is that it consumes a VERY small amount of the oxygen it reads. Therefore, a small amount of water movement is necessary to take accurate readings. Approximately 60 ml/min.

<http://www.trusense.io/InstrDO1200.pdf>