

TruSense

Iridium

(Satellite)

The TruSense Iridium logger is the transmitting part of a 2 part alliance. You must have both the TruSense logger and a TruSense Input Module for a complete node solution. These loggers are designed mainly to interface with our dashboard. The alliance of Input Module, Logger and Dashboard brings out the best in each. We supply a display that you can use to verify that your sensors are working correctly. Iridium satellite network is a bidirectional system, so the data from the logger is checked that it has been received by the satellite. We also hold up to 50 records on the logger in case of a failure of the satellite download or our server fault. Iridium covers all of the world.

Key Features

- **Iridium Satellite network.** This network is available throughout the world via the Iridium satellites. It is a duplex system, so the loggers check that the data has been relieved by the satellite before removing the data from the send queue.
- **TruSense Input Modules.** Not just fixed to one set of sensors.
- **Display.** To allow the user to check the correct operation of the unit in the field
- **SD card.** For backup of the data in case of problems with the network. This system does request a time stamp from our dashboard, so most data saved to the SD card will have a valid time for when the data was recorded.
- **Weather proof case** for outdoor or indoor use.
- **Battery powered.** For low power sensors and few transmissions per day.
- **Solar power available.** This will power both the logger and the Iridium transmitter. For sensors that are power hungry or frequent Transmissions.
- **Flight Mode.** Automatically set to flight mode when Input Module disconnected for easy shipping.

Specifications

Size

Dimensions	
Logger	145x66x40mm
Iridium transmitter	145x66x55mm
Weight	?
Colour	Light Gray
Material	Polycarbonate

Environment

Protection	IP65, NEMA 1, 2, 4, 4X, 12, 13
Operating Temp.	-10°C to 70°C
Storage temp.	-20°C to 75°C

Power

Rechargeable	1 x 18650 Li-ion battery
Life	1 month to 10 years

Sensors

Reporting interval	Requires TruSense input module 30 to 1665 minutes
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Communications

Wireless	Satellite Iridium Network
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