

TruSense LoRa

The TruSense LoRa 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.



Key Features

- **LoRaWAN network.** This network is currently available in New Zealand with both spark and kotahi.net . Please check the links on our web site for coverage. We can also install private networks.
- **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.
- **External Antenna.** Allows higher gain antenna for difficult locations
- **Weather proof case** for outdoor or indoor use.
- **Battery powered.** For low power sensors and few transmissions per day.
- **Solar power available.** For sensors that are power hungry or frequent Transmissions.
- **Flight Mode.** Automatically set to flight mode when Input Module disconnected for easy shipping.
- **Time Sync.** Internal time is automatically synced with Dashboard
- **Connected to server Test.** Using the switch you can request a confirmation you are connecting to the Dashboard.

Specifications

Size

Dimensions	145x66x40mm
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

non-rechargeable	2 x AA 1.5V lithium
Rechargeable	1 x 18500 LiFePO4
Life	1month to 10 years

Sensors

Reporting interval	Requires TruSense input module 5 to 1665 minutes
--------------------	---

Communications

Wireless	LoRaWAN kotahi.net (IN865) on 865Mhz Spark (AS923) on 923Mhz
Range	2 to 29km