



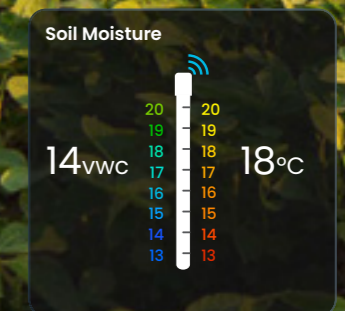
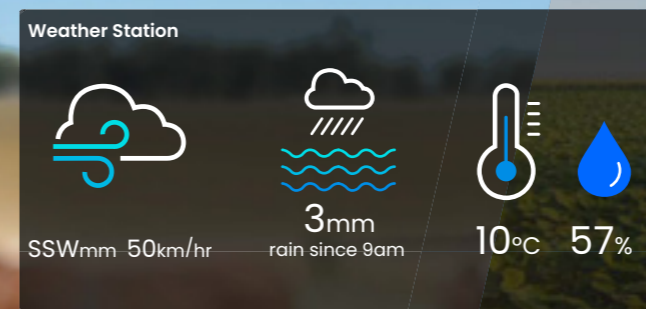
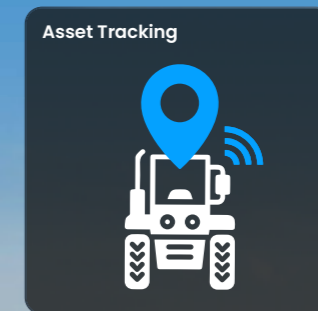
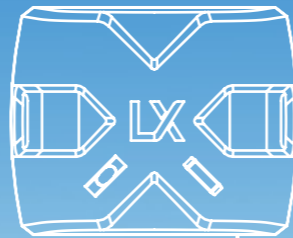
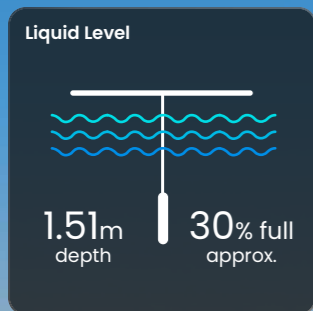


Your entire farm, in your pocket.

-  Make informed decisions using real-time data
-  Drive increased productivity and profitability
-  Save time with remote reporting
-  Get peace of mind wherever you are



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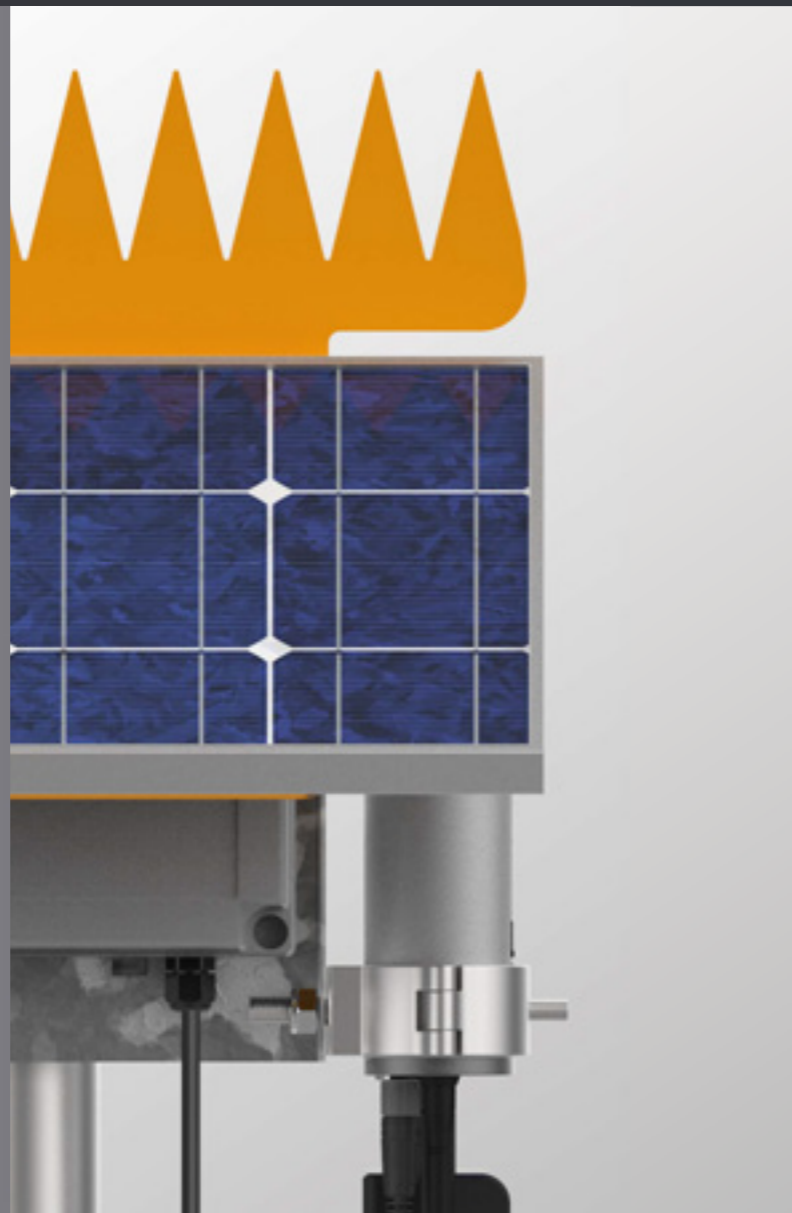
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All prices listed in this catalogue are exclusive of GST. Prices are for hardware only and use of the products and kits for reporting through the Incyt platform requires a subscription plan which can be added or changed when the user requires.

Next Generation AgTech IoT

We've created an ecosystem of products that help drive productivity, maximise your time, and create systems for enhanced decision making. Giving you peace of mind and freedom... from anywhere in the world.

Built to last, and designed with you in mind.



Get connected in minutes, not hours

When we say Plug 'n Play we mean it - from push and click sensor attachment, to Smart Sensor auto-configuration, QR code commissioning, and peel 'n stick mounting.

Simply install, commission and view your dashboard.



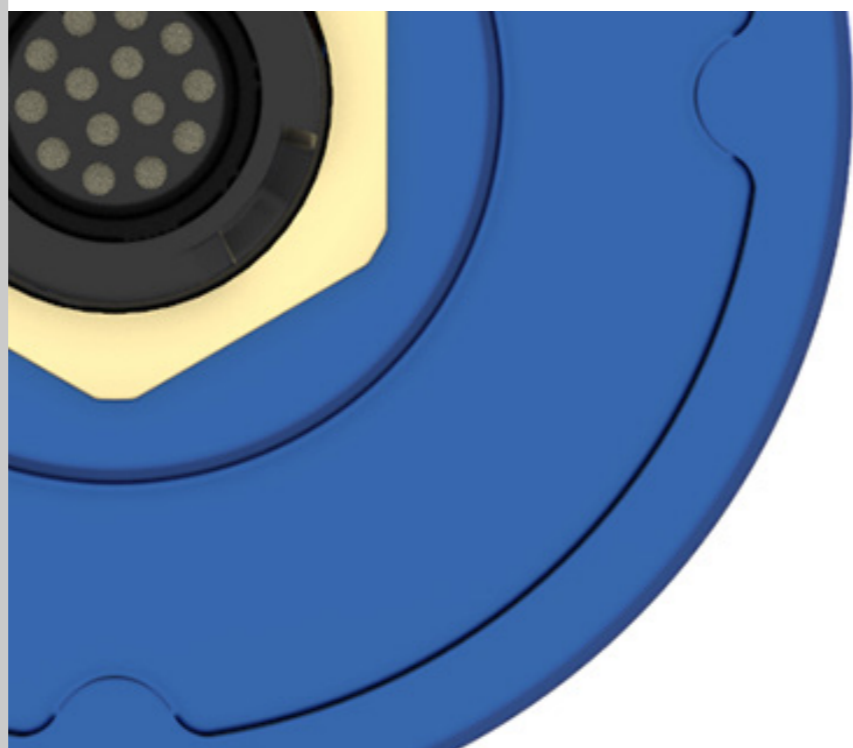
A hybrid network approach

Unlock the strengths of the latest IoT technologies such as LTE-M, LoRaWAN, WiFi and Bluetooth 5.0 to create unique solutions. Enabling ultra-low power performance, cost effective implementations and also providing connectivity for areas without existing coverage.

User centric design, end-to-end

We're passionate about delivering a remarkable, end-to-end, 'sensor to cloud' user experience. From the hardware in the field to the app on your phone, every aspect has been designed user-first without compromise on quality or performance.





Your entire farm in your pocket, at a glance

One app, one dashboard, unlimited insights. The breadth of our range means you can collect all the data that's important to you through just ONE connected ecosystem.

From stock management to asset security, to informed agronomy, do it all with Incyt.

Built to last

We design to last, build with the best and test to the extreme. From continuous operation on mine sites at -30°C to the heat of Darwin in summer, our products are rugged and designed for unforgiving environments.



Excellence is in the details

Aesthetically awesome inside and out, our products use industrial grade materials but are designed to look great too. We believe IoT products don't have to be ugly, and excellence should extend to form as well as function.



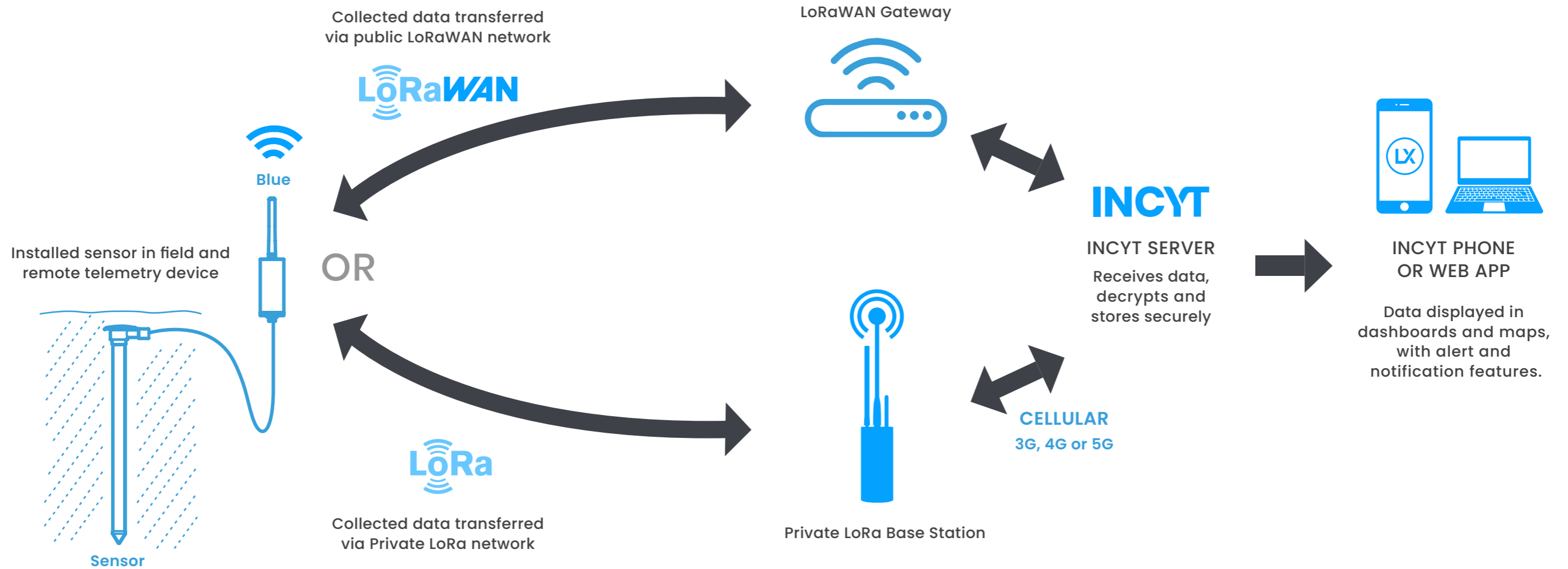
Remarkable power, that barely uses any

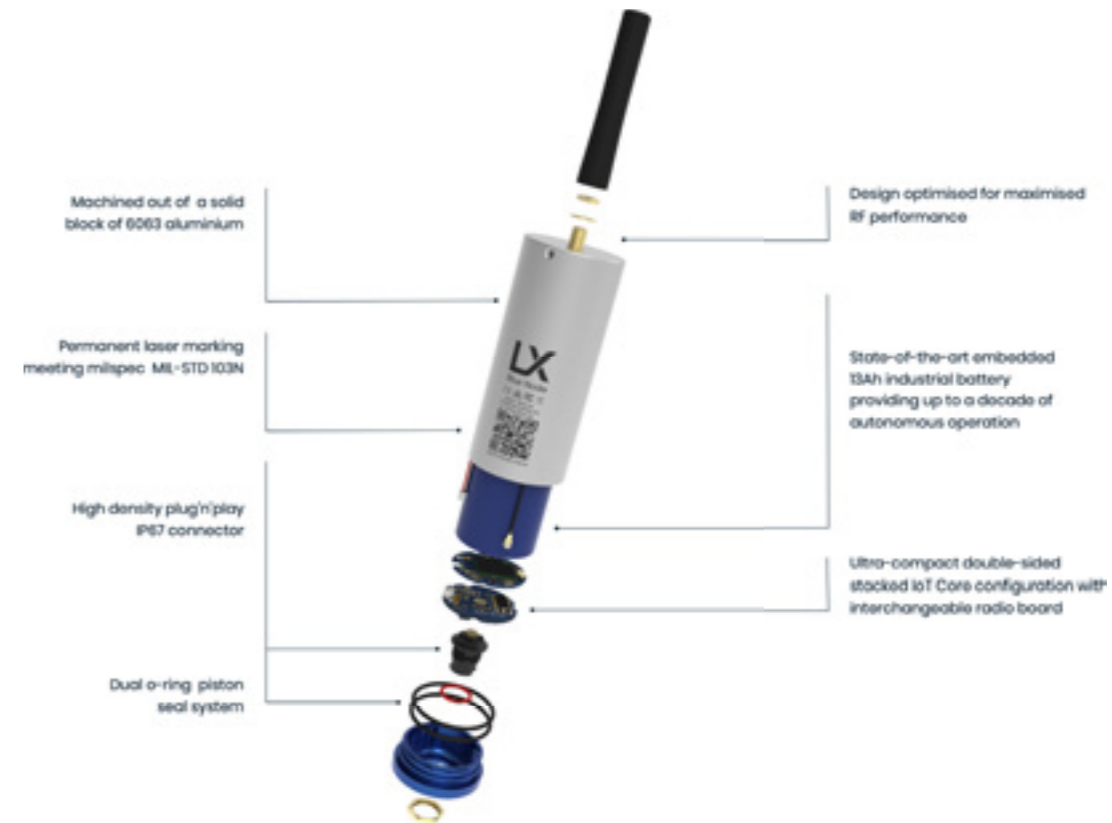
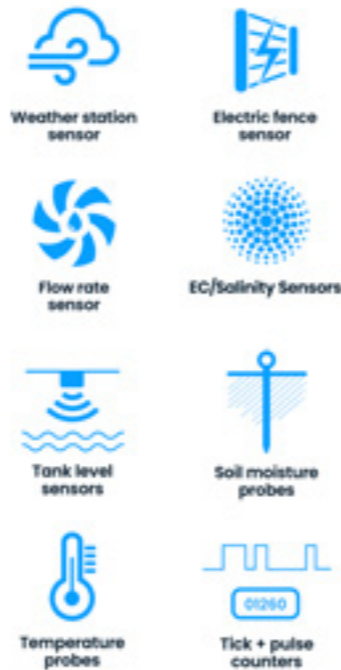
Military grade battery technology and the latest in ultra-low power connectivity ... the ideal combination that enables up to a decade of battery life in many applications.

How remote IoT sensors work

The data collected by your sensors is transferred to your phone or laptop and appears in the Incyt App - giving you insights, wherever you are. This is how it works:

Private and public network support





Blue Node

Highly versatile, award winning AgTech IoT telemetry node for connecting LX Smart Sensors to the LX Incyt Dashboard.

The Blue Node is a highly versatile, award winning multi-purpose telemetry device. It connects Smart Sensors to the Incyt Dashboard for accurate and reliable reporting straight to your phone, tablet or computer. The Blue Node is built to last (milled out a solid block of aluminium with a battery life of up to 10 years) and designed to support a comprehensive sensor range. It is the heart of the Static Sensing product line.

Data visualisation provided by Incyt Dashboard. Installation guide included.

- Battery powered, up to 10 years battery life (depending on sensor and configuration)
- Long range performance (typically 5 - 15km, 25km+ in some installations)
- LoRaWAN TTN & NNNCo connectivity
- Cellular connectivity (LTE-M or 3G) via the LoRa Base Station for areas without LoRaWAN connectivity
- Easy installation - Plug n' Play sensor connection
- Smart Sensor enabled - automatic sensor configuration
- Highly ruggedised and weather-proof for long term operation in harsh environments

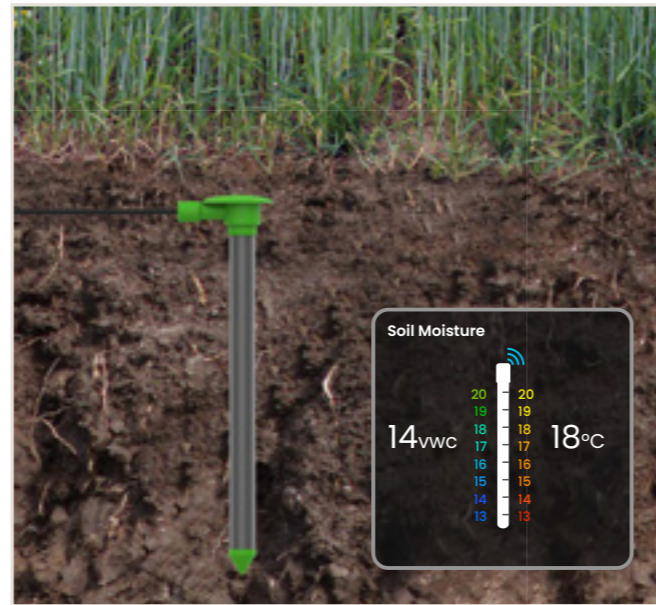


Typical Applications

- Water distribution system management
- Water quality analysis
- Microclimate trend analysis
- Cold chain monitoring
- Infrastructure monitoring
- Security alerts
- Remote control/activation

Smart Sensor interfaces	4-20 mA, SDI-12, UART, 0 - 12V analog input, 4 x digital I/O, I2C
Communications	LoRaWAN (TTN & NNNCo), as well as cellular connectivity (LTE-M or 3G) via the LoRa Base Station for areas without LoRaWAN connectivity
Battery technology	high quality 13Ah industrial lithium thionyl-chloride battery with excellent thermal characteristics
Enclosure	IP67 rated. Dual O-ring piston seal system. Waterproof + dust-proof. Machined out of a solid block of 6063 aluminium.
Certifications	RCM, CE & FCC
Thermal range	Environmentally tested from -20°C to +70°C





AquaCheck® Soil Moisture + Temperature Probe 800mm

SKU: KT-A-0003-LX920-S1M
SKU: KT-A-0003-AS923-S1M

Easy and accurate multilevel soil moisture and temperature measurement to 800mm.

This soil probe reliably and repeatedly records temperature compensated readings for soil moisture at 6 points over a depth of 80cm to monitor groundwater content (GWC), supporting enhanced decision making around nitrogen application, crop selection, crop rotation and irrigation. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard.
Installation guide included.



LoRaWAN and Private LoRa Connectivity



Built to last

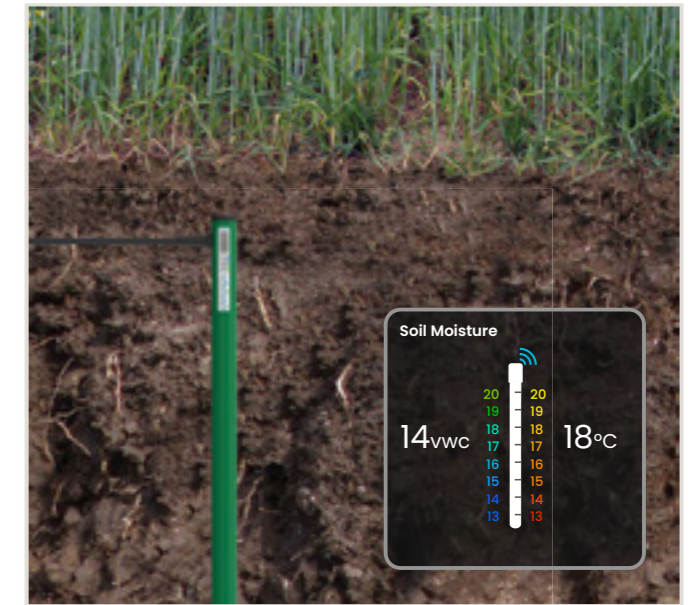


Special installation equipment required

System contents

- 1 X AquaCheck Probe 800mm
- 1 x Blue Node

Probe length	800mm with 6 sensor levels
Shaft diameter	33.5mm +/- 0.2mm
Cable length	5m
Sensor spacing	Every 100mm
Operating temperature range	-20°C to + 60°C



EnviroPro® Soil Moisture + Temperature Probe 800mm

SKU: KT-A-0006-LX920-S1M
SKU: KT-A-0006-AS923-S1M

Easy and accurate multilevel soil moisture and temperature measurement to 800mm.

This soil probe reliably and repeatedly records temperature compensated readings for soil moisture at 8 points over a depth of 80cm to monitor groundwater content (GWC), supporting enhanced decision making around nitrogen application, crop selection, crop rotation and irrigation. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard.
Installation guide included.



LoRaWAN and Private LoRa Connectivity



Built to last

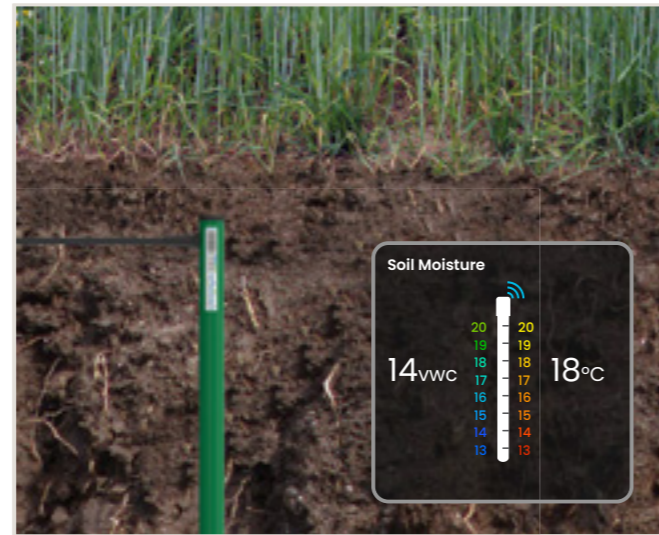
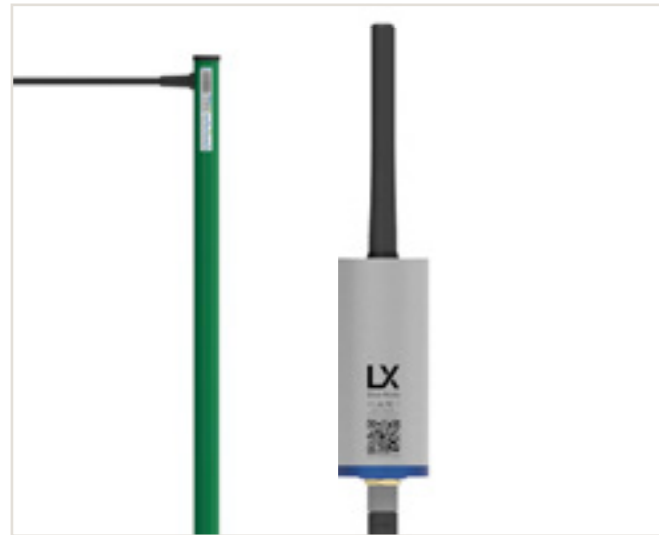


Special installation equipment required

System contents

- 1 X EnviroPro Probe 800mm
- 1 x Blue Node

Probe length	800mm with 8 sensor levels
Shaft diameter	33.5mm +/- 0.2mm
Cable length	15m
Sensor spacing	Every 100mm
Operating temperature range	-20°C to + 60°C



EnviroPro® Soil Moisture + Temperature Probe 1200mm (15m cable)

SKU: KT-A-0004-LX920-SIM
SKU: KT-A-0004-AS923-SIM

Easy and accurate multilevel soil moisture and temperature measurement to 1200mm.

This soil probe reliably and repeatedly records temperature compensated readings for soil moisture at 12 points over a depth of 1200mm to monitor groundwater content (GWC), supporting enhanced decision making around nitrogen application, crop selection, crop rotation and irrigation. The sensor pack comes with a Blue Node..

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Built to last

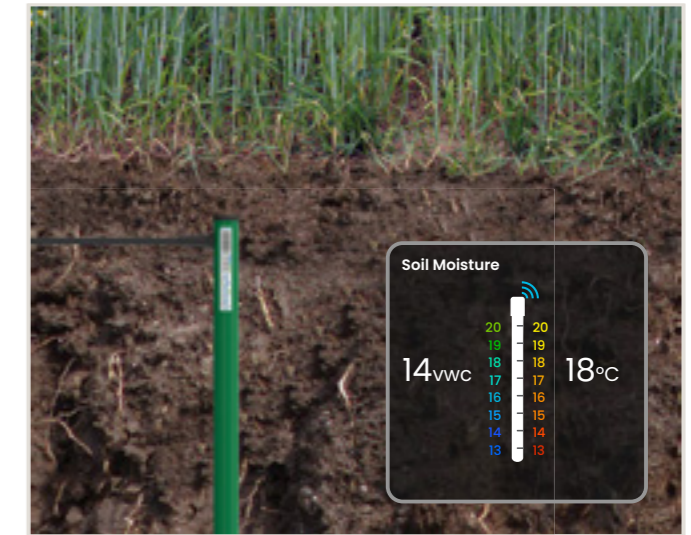
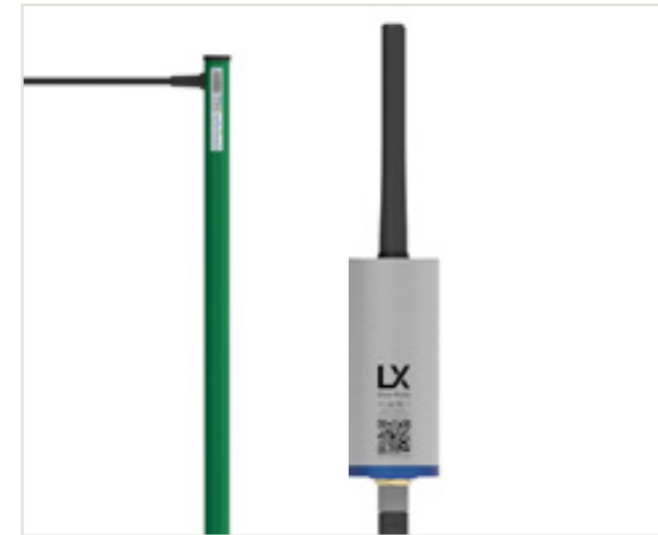


Special installation equipment required

System contents

- 1 X EnviroPro Probe 1200mm
- 1 x Blue Node

Probe length	1200mm with 12 sensors levels
Shaft diameter	33.5mm +/- 0.2mm
Cable length	15m
Sensor spacing	Every 100mm
Operating temperature range	-20°C to + 60°C



EnviroPro® Soil Moisture + Temperature Probe 1200mm (30m cable)

SKU: KT-A-0005-LX920-SIM
SKU: KT-A-0005-AS923-SIM

Easy and accurate multilevel soil moisture and temperature measurement to 1200mm.

This soil probe reliably and repeatedly records temperature compensated readings for soil moisture at 12 points over a depth of 1200mm to monitor groundwater content (GWC), supporting enhanced decision making around nitrogen application, crop selection, crop rotation and irrigation. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Built to last

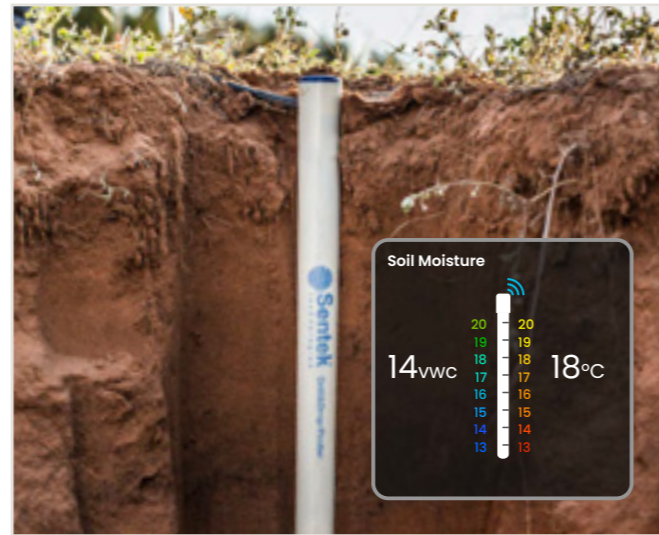


Special installation equipment required

System contents

- 1 X EnviroPro Probe 1200mm
- 1 x Blue Node

Probe length	1200mm with 12 sensors levels
Shaft diameter	33.5mm +/- 0.2mm
Cable length	15m
Sensor spacing	Every 100mm
Operating temperature range	-20°C to + 60°C



Sentek 600mm Soil Moisture + Temperature Probe

SKU: KT-A-0008-LX920-S1M
SKU: KT-A-0008-AS923-S1M

Easy and accurate multilevel soil moisture and temperature measurement to 600mm.

Accurate and reliable soil moisture and temperature readings across multiple points with the easy drill and drop soil moisture probe. Get a complete and uninterrupted view of the soil profile with readings every 10cm, ideal for seasonal crops. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Built to last

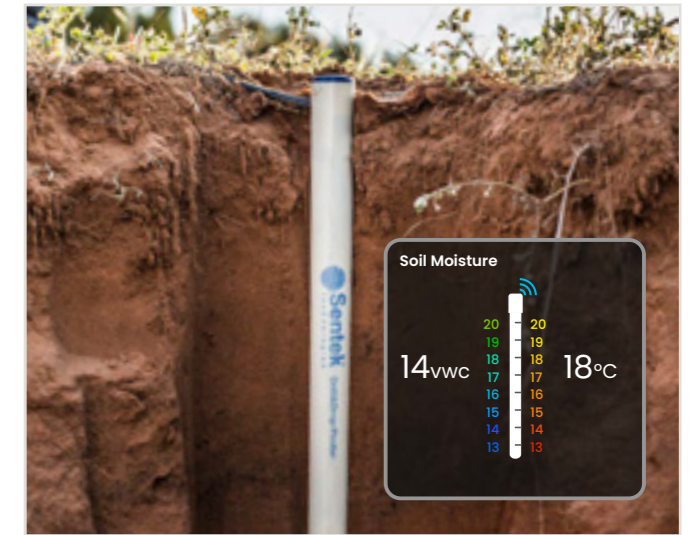


Special installation equipment required

System contents

- 1 X Sentek Probe 600mm
- 1 x Blue Node

Probe length	60cm
Outer probe diameter top	30mm
Outer probe diameter bottom	25mm
Moisture precision	±0.03% vol
Temperature accuracy	±2 °C @ 25 °C
Operating temperature	-20°C to +60°C



Sentek 900mm Soil Moisture + Temperature Probe

SKU: KT-A-0009-LX920-S1M
SKU: KT-A-0009-AS923-S1M

Easy and accurate multilevel soil moisture and temperature measurement to 1200mm.

Accurate and reliable soil moisture and temperature readings across multiple points with the easy drill and drop soil moisture probe. Get a complete and uninterrupted view of the soil profile with readings every 10cm, ideal for seasonal crops. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Built to last

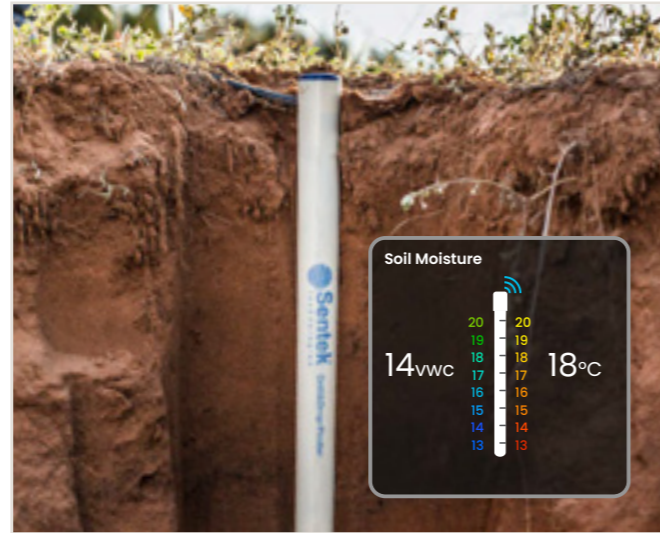


Special installation equipment required

System contents

- 1 X Sentek Probe 900mm
- 1 x Blue Node

Probe length	90cm
Outer probe diameter top	30mm
Outer probe diameter bottom	25mm
Moisture precision	±0.03% vol
Temperature accuracy	±2 °C @ 25 °C
Operating temperature	-20°C to +60°C



Sentek 1200mm Soil Moisture + Temperature Probe

SKU: KT-A-0007-LX920-S1M

SKU: KT-A-0007-AS923-S1M

Easy and accurate multilevel soil moisture and temperature measurement to 1200mm.

Accurate and reliable soil moisture and temperature readings across multiple points with the easy drill and drop soil moisture probe. Get a complete and uninterrupted view of the soil profile with readings every 10cm, ideal for seasonal crops. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Built to last



Special installation equipment required

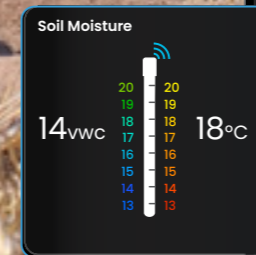
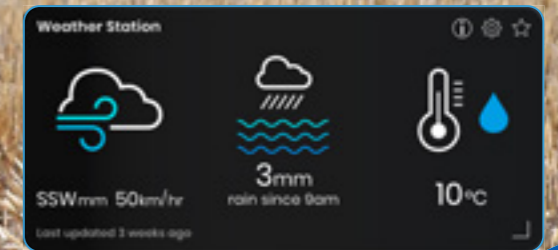
System contents

1 X Sentek Probe 1200mm

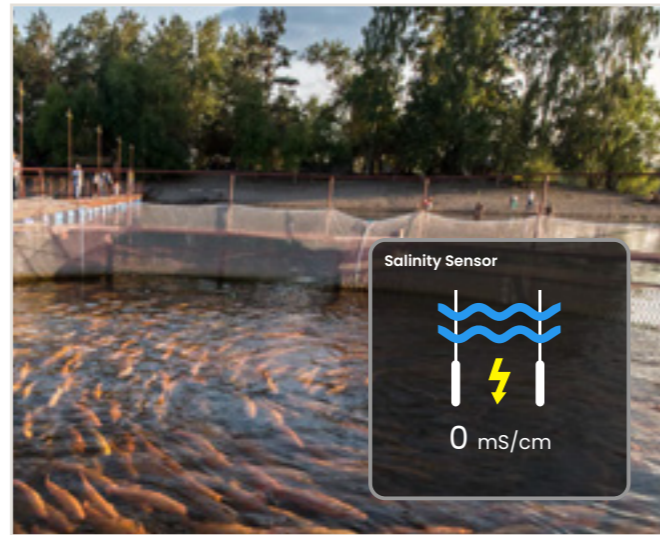
1 x Blue Node

+
 +
 1 month subscription =
 \$2515 PLUS selected plan

Probe length	120cm
Outer probe diameter top	30mm
Outer probe diameter bottom	25mm
Moisture precision	±0.03% vol
Temperature accuracy	±2 °C @ 25 °C
Operating temperature	-20°C to +60°C



- + Easy to use devices
- + Reports to your mobile or laptop, wherever you are
- + Drive increased productivity on your farm



Water EC/Salinity Sensor

SKU: KT-A-00014-LX920-S1M
SKU: KT-A-00014-AS923-S1M

Submersible water electrical conductivity sensor (EC/salinity).

This easy to use submersible sensor provides accurate remote reporting on electrical conductivity/salinity levels in water. Use to enhance decision making around irrigation and spray water sources. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.

Screen reader support enabled.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



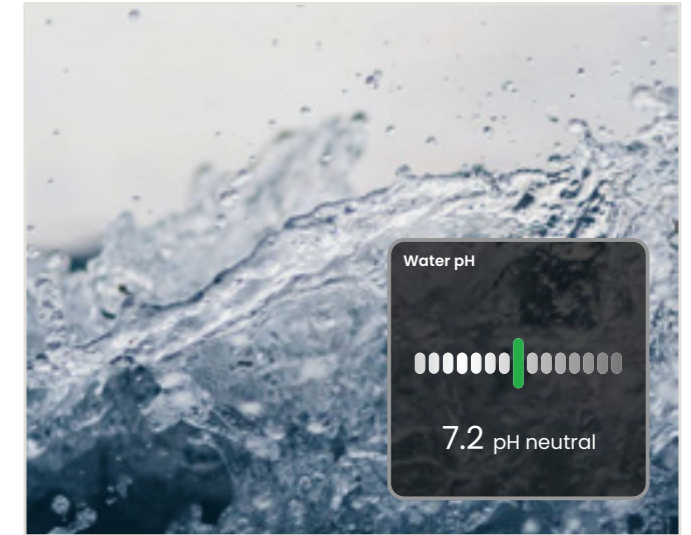
Built to last

System contents

- 1 X Water EC/Salinity Sensor
- 1 x Blue Node



Accuracy	±1%
Enclosure rating	IP68
Medium	Water
Electrode	Titanium alloy
Temperature compensation	Automatic
Operating temperature	-20°C to +80°C



Water pH Sensor

SKU: KT-A-00015-LX920-S1M
SKU: KT-A-00015-AS923-S1M

Submersible water pH sensor.

Ensure optimal nutrient uptake in plants and make data driven decisions around water application, nitrogen application and spray mix ratios with this pH Sensor. This easy to use submersible sensor is a reliable and accurate way to monitor pH levels. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents

- 1 X Water pH Sensor
- 1 x Blue Node



Range	0-14PH
Accuracy	±0.3PH
Resolution	0.01 pH
Enclosure rating	IP68
Dimension Probe	Ø28*160mm



Davis Weather Station

SKU: KT-A-00010-LX920-S1M

SKU: KT-A-00010-AS923-S1M

A professional and rugged weather station with a versatile sensor suite that combines a rain collector, air temperature, humidity, wind speed and direction into one package.

Designed to meet the guidelines of the World Meteorological Organization, this weather station is an excellent choice for farmers, researchers and agronomists. Providing multiple points of measurement for accurate weather reporting to make key cropping decisions, including ambient temperature, humidity, rainfall, wind speed and direction including wind gusts. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard including dew point, Delta-T and spray advisory features. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Concreting Required



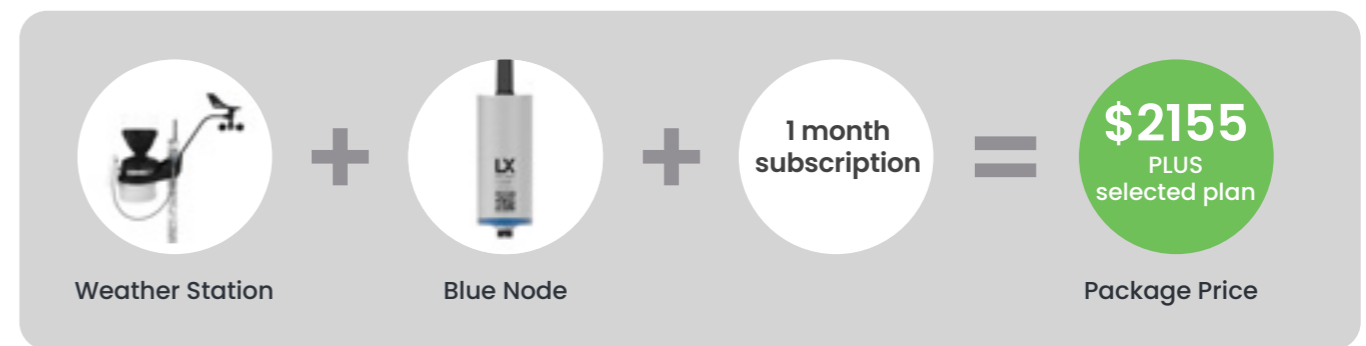
Built to last

Operating temperature	-40° to +65°C
Wind speed sensor	Solid state magnetic sensor
Wind direction sensor	Wind vane with potentiometer
Rain collector type	Tipping spoon, 0.2 mm for metric versions, 214 cm ² collection area
Temperature sensor type	PN Junction Silicon Diode
Relative humidity sensor type	Film capacitor element
Housing material	UV-resistant ABS, polypropylene

Optional additions to the Davis Weather Station are UV and Solar Radiation sensors, which help decision processes for seeding rate, row spacing and row heading.

Option 1

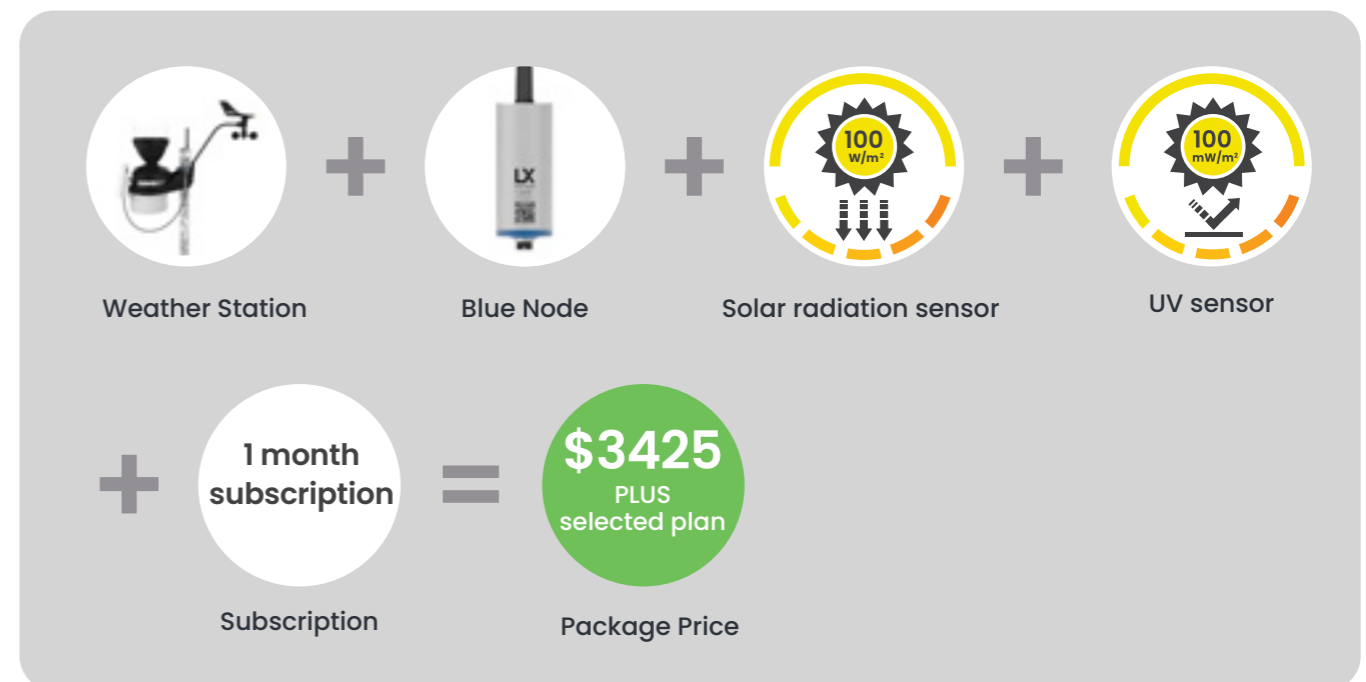
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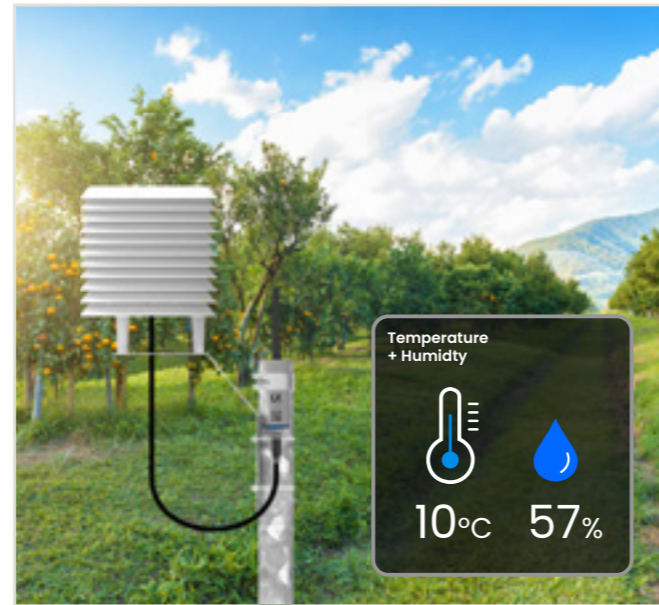


Option 2 (includes mounting shelf)

SKU: KT-A-00011-LX920-S1M

SKU: KT-A-00011-AS923-S1M








Temperature and Humidity Sensor

SKU: KT-A-0045-LX920-S1M
SKU: KT-A-0045-AS923-S1M

Temperature and humidity sensor with solar radiation shield

High accuracy Temperature and Humidity sensor with radiation shield for determining hay baling windows, performing canopy temperature measurements or temperature inversion detection when mounted on a 10m pole (when two sensors are used in an inversion pole installation). The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.

- 
 LoRaWAN and Private LoRa Connectivity
- 
 Plug 'n Play
- 
 Built to last

System contents
1 x Temperature and Humidity Sensor
1 x Blue Node



Temp accuracy	±0.5°C from -40° to 60°C
Humidity accuracy	±3%
Cable length	Short cable 3m, long cable 8.5m



Davis Rain Gauge




SKU: KT-A-00016-LX920-S1M
SKU: KT-A-00016-AS923-S1M

Automatic tipping bucket rain gauge with 0.2mm resolution

Designed to meet the guidelines of the World Meteorological Organization, this self-emptying, tipping-bucket design is exceptionally accurate (to 0.2mm) and automates the sampling and recording of rainfall data, allowing you to gain insights over time.

The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.

- 
 LoRaWAN and Private LoRa Connectivity
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 Plug 'n Play
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 Concreting Required

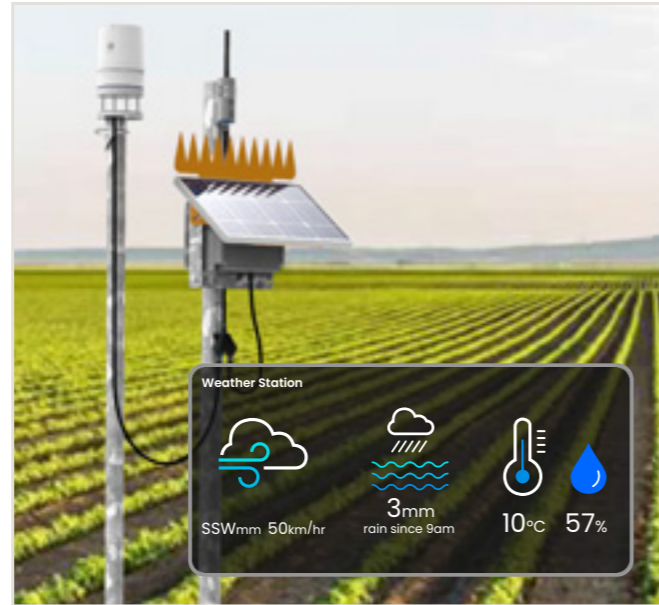
System contents
1 x Davis Rain Gauge
1 x Blue Node



Sensor type	Tipping bucket with magnetic reed switch
Housing material	UV-stabilized ABS plastic
Accuracy	0.2mm resolution
Package includes	Collector bucket, bird spikes, filter insert and pole mount



Built to last




Atmos41 Weather Station

SKU: KT-A-0044-LX920-S1M
SKU: KT-A-0044-AS923-S1M

ATMOS41 is a compact "all-in-one" weather station, combining 12 weather sensors in a single device.

The ATMOS41 weather station measures rainfall, air temperature, relative humidity, vapor pressure, barometric pressure, wind speed, gust and direction, solar radiation, precipitation, lightning strike events (and estimated distance). Rainfall is measured using a unique, precise, drip counter device. The pack includes the Atmos41 Weather Station, a Blue Node, a Solar Kit and a Power Junction.

Data visualisation provided by Incyt Dashboard. Installation guide included.

- 

LoRaWAN and Private LoRa Connectivity
- 

Plug 'n Play
- 

Built to last

- System contents**
- 1 x Atmos41 Weather Station
 - 1 x Blue Node
 - 1 x Solar Kit
 - 1 x Power Junction

Precipitation	Range 0-125mm/hr, resolution 0.017mm
Air temperature	Range -40-50°C, resolution 0.1 °C
Relative humidity	Range 0-100%, Resolution 0.1%
Wind speed	Range 0 - 60m/s, Resolution 0.01m/s;
Wind gust	Range 0 - 60m/s, Resolution 0.01m/s
Wind direction	0 - 359 degrees, Resolution 1 degree



Leaf Wetness Sensing System


SKU: KT-A-00017-LX920-S1M
SKU: KT-A-00017-AS923-S1M


Accurate leaf wetness and ice monitoring for plants.


Accurately measure leaf wetness (presence and duration) and ice formation. Water will condense and evaporate like a real leaf providing enhanced insights around the application of fungicides and early disease detection.

The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.

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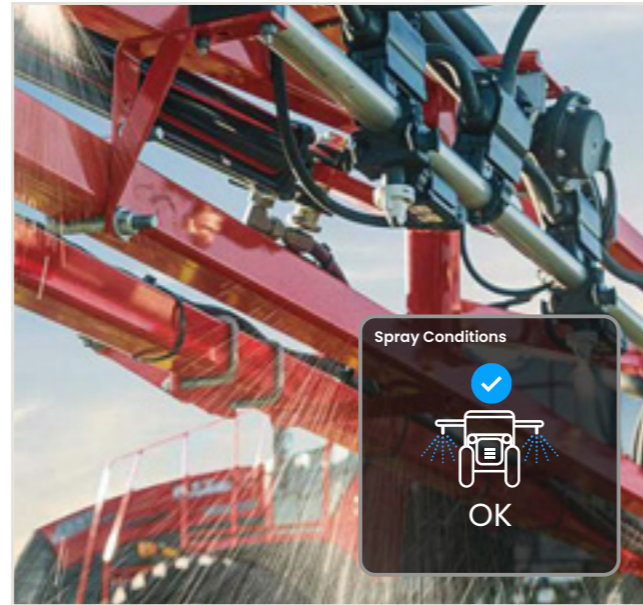
LoRaWAN and Private LoRa Connectivity
- 

Plug 'n Play
- 

Built to last

- System contents**
- 1 x Leaf Wetness Sensing System
 - 1 x Blue Node

Operating temp. range	-20 °C to +70 °C
Cable length	5 m



Spray Advisory System

SKU: KT-A-00012-LX920-S1M
SKU: KT-A-00012-AS923-S1M

Advanced decision support for determining evaluating spray windows based on a variety of factors including temperature inversion risk profile, wind speed, temperature and Delta-T.

The Spray Advisory System takes into account a number of factors including temperature, humidity, wind speed, Delta-T and temperature inversion risk profile to provide insights into conditions that increase spray drift risk and reduced spray efficacy. The System can advise when the conditions are favourable, and if they change to being unfavourable during the course of spraying. This solution draws upon environmental data from a number of sensors.

Data visualisation provided by Incyt Dashboard. Installation guide included.



Multi-sensor ecosystem Plug 'n Play Built to last

System contents:

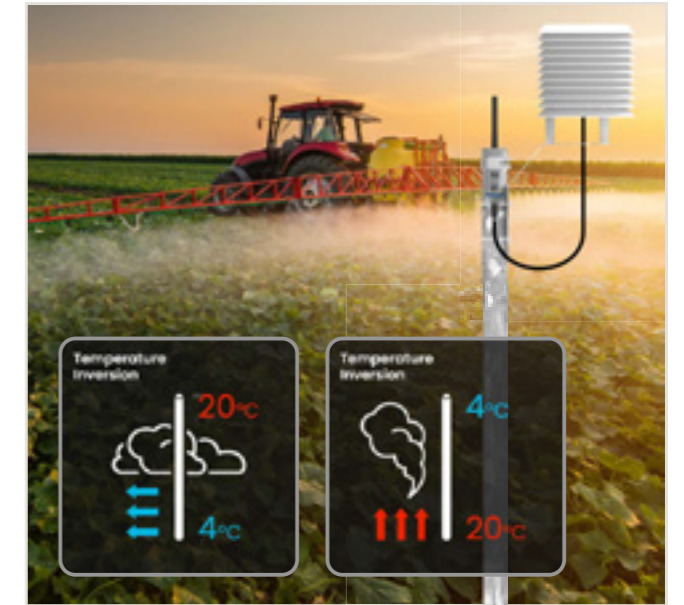
- 1 x Davis Weather Station
- 1 x High Accuracy Temp & Humidity Sensor (2.5m cable)
- 1 x High Accuracy Temp & Humidity Sensor (9m cable)
- 2 x Blue Nodes
- 1 x Sensor Junction



LoRaWAN and Private LoRa Connectivity

*Requires 10m pole or longer for installation (not incl. in price)

Temp accuracy	±0.5°C from -40° to 60°C
Humidity accuracy	±3%
Cable length	Short cable 3m, long cable 8.5m



Temperature Inversion Sensor

SKU: KT-A-00013-LX920-S1M
SKU: KT-A-00013-AS923-S1M

Temperature inversion sensor to enable informed decision support around high spray drift risk conditions.

Spray drift can greatly impact the effectiveness of spraying, with some industry experts estimating 90% of spray drift cases are caused by inversion drift. Automatic identification of temperature inversion risk profile (including clear air inversion) helps evaluate the risk profile of spraying during inversion conditions.

Data visualisation provided by Incyt Dashboard. Installation guide included.

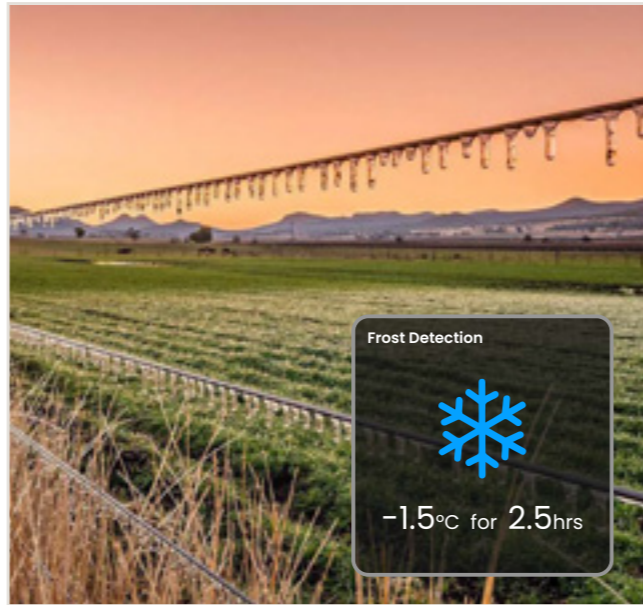


LoRaWAN and Private LoRa Connectivity Plug 'n Play Built to last

System contents:

- 1x High Accuracy Temperature & Humidity Sensor (2.5m cable)
- 1x High Accuracy Temperature & Humidity Sensor (9m cable)
- 1x Blue Node
- 1x Sensor Junction

*Requires 10m pole or longer for installation (not included in price).



Frost Detection System

SKU: KT-A-00018-S1M

Be alerted of frost events and their severity (duration and temperature) at point locations.

Detailed knowledge of frost events can help optimise future crop prescriptions and activities moving forward. The LX Frost Detection System can be used provide alerts when frost events occur and provide insight into the severity and duration of the frost.

Temperature accuracy: ±0.5°C @ 25°C

Data visualisation provided by Incyt Dashboard. Installation guide included.



System contents

1x Polaris Track + Sense

+ 1 month subscription = **\$350** PLUS selected plan



Portable Rodent Activity Monitor

SKU: KT-A-00019-LX920-S1M

SKU: KT-A-00019-AS923-S1M

Portable laser based sensor system for monitoring rodent activity levels.

Timing of control interventions, co-ordination with adjacent properties and informed decisions around dose level are important factors in optimising rodent control interventions.

The Rodent Detection System uses a portable laser based retroreflective beam break sensor to provide early alerting around rodent activity levels.

Operating range up to 5m.

Data visualisation provided by Incyt Dashboard. Installation guide included.



System contents:

- 1x Laser Beam Break Sensor
- 1x Blue Node
- 1x Solar Kit
- 1x Power Junction

+ 1 month subscription = **\$2290** PLUS selected plan



**Next generation tracking.
Rugged. Robust. Reliable.**

Tracking and sense capability is at the core of many IoT applications and when it comes to location based applications, the needs are many and varied. Finding, logging, geofencing, alerting and sensing across various networks both in outdoor and indoor operating environments. A single tracker simply can't do it all.

**A connected ecosystem.
Reporting tailored to your needs.**

The INCYT trackers have been designed to work in conjunction with each other across a wide range of use cases to provide sophisticated solutions. They are also equipped with the option of advanced sense

capability so you can not only track an asset's path or last known location but get insight into motion, tilt, run-time, lumonosity, air quality, air pressure, temperature and humidity.



Trackers

➤ How the ecosystem works

The Incyt range of connected trackers, beacons and gateways can be configured to work in different applications to give you the reporting that you need.





Antares LTE-M Tracker + Gateway

SKU: ETCHIA-GW

Track and deploy machinery area networks with Antares Gateway.

Track key assets such as vehicles and machinery with the Antares LTE-M tracker. Rugged and loaded with next generation technology for indoor and outdoor tracking support, Antares is capable of deploying a Bluetooth machinery area network around the asset enabling the detection of beacon based devices such as Lyra. Provides location history for assets that move regularly such as trucks, utes and tractors; create geofences; or use in static installations for detecting Lyras in warehouses and machinery sheds. Also capable of monitoring asset activity level, tilt/angle and temperature.

Power from a 12V vehicle supply for mobile applications, or for static applications plug into mains power or a solar kit.

Data visualisation provided by Incyt Dashboard. Installation guide included.

Radio	LTE-M/NB-IoT, BLE 5, WiFi and GPS
Region	Multi region Cat M1/NB1 Supported bands: 2, 3, 4, 5, 8, 12, 13, 20, 28
Firmware upgrade	Via LX Incyt App over BLE or Cellular
Power	Power from mains via USB-C power pack, 12V vehicle supply or Solar Kit
Location	GPS, WiFi geolocation, BLE Beacon and Scan
Size + weight	50 x 110 x 114 mm, 250g
Enclosure Rating	IP67 / IK07
Mounting options	VHB + screws or rivets
Storage	12 months
Certifications	CE, RCM, BT Sig
Temp. range	-10°C to +60°C (operational temp range -20°C to +80°C)



Built to last



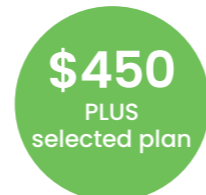
Track + Sense



Indoor/outdoor use



Mains/Solar/12V Automotive Power options



Antares LTE-M Tracker + Gateway with Advanced Sense

SKU: ETCH2S-GW

Go beyond just tracking with intelligent sensing.

Equipped for indoor or outdoor use, this LTE-M gateway goes beyond tracking and geofencing with advanced environmental sense capability. It has the ability to sense a range of environmental factors including temperature, relative humidity, air pressure and luminosity (in addition to, motion detection, asset activity level and tilt/angle).

Power from a 12V vehicle supply for mobile applications, or for static applications plug into mains power or a solar kit.

Data visualisation provided by Incyt Dashboard. Installation guide included.

Radio	LTE-M/NB-IoT, BLE 5, WiFi and GPS
Region	Multi region Cat M1/NB1 Supported bands: 2, 3, 4, 5, 8, 12, 13, 20, 28
Firmware upgrade	Via LX Incyt App over BLE or Cellular
Power	Power from mains via USB-C power pack, 12V vehicle supply or Solar Kit
Location	GPS, WiFi geolocation, BLE Beacon and Scan
Size + weight	50 x 110 x 114 mm, 250g
Enclosure Rating	IP67 / IK07
Mounting options	VHB + screws or rivets
Storage	12 months
Certifications	CE, RCM, BT Sig
Temp. range	-10°C to +60°C (operational temp range -20°C to +80°C)



Built to last



Track + Sense



Indoor/outdoor use



Mains/Solar/12V Automotive Power options





Polaris LTE-M Tracker

SKU: ETCHIA

Next generation LTE-M asset tracking with ultra-long life battery and intelligent sense capability.

Next generation LTE-M asset tracking with ultra-long life battery and intelligent sense capability to ensure you can locate key assets. Protect against equipment theft and improve logistics planning with this GPS tracker featuring WiFi geolocation to enable indoor and outdoor operation. Perfect for unpowered assets that move less frequently such as field bins, trailers and implements. Also capable of monitoring asset activity level, tilt/angle, temperature and deploying a Bluetooth machinery area network for the detection of Lyras during transmission periods. It has up to 5 years battery life (once per day reporting) and easy peel 'n stick installation.

It can also be mounted with cable ties, or fastened to an asset using security screws or rivets with the optional security bracket accessory (sold separately). Data visualisation provided by Incyt Dashboard. Installation guide incl.

Radio	LTE-M/NB-IoT, BLE 5, WiFi and GPS
Region	Multi region Cat M1/NB1 Supported bands: 2, 3, 4, 5, 8, 12, 13, 20, 28
Firmware upgrade	Via LX Incyt App and over BLE or Cellular
Battery	Replaceable Industrial Lithium Thionyl Chloride primary battery pack, ~ 5yrs
Typical behaviour	Continuously beaconing, performing daily Wi-Fi scan, GPS lock, LTE-M upload + config check
Location Sense	GPS, WiFi geolocation, BLE Beacon and Scan
Size + weight	39 x 80 x 114 mm, 300g
Enclosure Rating	IP68/IK10
Mounting options	VHB tape + screw , cable tie, security bracket
Storage	9 months
Certifications	CE, RCM, BT Sig
Temp. range	+5°C to +40°C (operational temp range -20°C to +60°C)

- Plug 'n Play
- Built to last
- Indoor/ outdoor use
- Track + Sense



Polaris LTE-M Tracker with Advanced Sense

SKU: ETCH2S

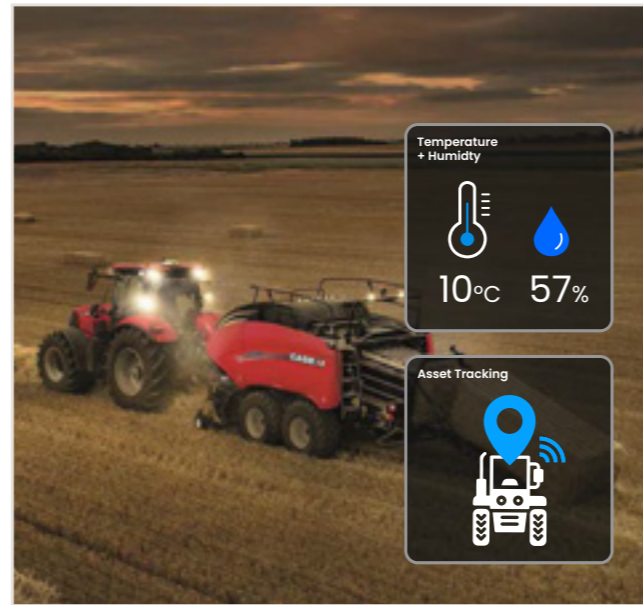
Next generation LTE-M asset tracking with ultra-long life battery and advanced sense capability.

All the tracking capabilities of our standard Polaris LTE-M Tracker, but with enhanced environmental sensing capability including temperature, humidity and air pressure. Track high value assets that require storage and transport between specific environmental limits.

Data visualisation provided by Incyt Dashboard. Installation guide included.

Radio	LTE-M/NB-IoT, BLE 5, WiFi and GPS
Region	Multi region Cat M1/NB1 Supported bands: 2, 3, 4, 5, 8, 12, 13, 20, 28
Firmware upgrade	Via LX Incyt App and over BLE or Cellular
Battery	Replaceable Industrial Lithium Thionyl Chloride primary battery pack, ~ 5yrs
Typical behaviour	Continuously beaconing, performing daily Wi-Fi scan, GPS lock, LTE-M upload + config check
Location Sense	GPS, WiFi geolocation, BLE Beacon and Scan
Size + weight	39 x 80 x 114 mm, 300g
Enclosure Rating	IP68/IK10
Mounting options	VHB tape + screw , cable tie, security bracket
Storage	9 months
Certifications	CE, RCM, BT Sig
Temp. range	+5°C to +40°C (operational temp range -20°C to +60°C)

- Plug 'n Play
- Built to last
- Indoor/ outdoor use
- Track + Sense



Portable Hay Baling Solution

SKU: KT-A-00020-S1M

Receive an alert when temperature and humidity conditions are suitable for baling.


The Portable Hay Baling Alert System takes the guess work out of deciding when to bale. It consists of a portable Polaris Track & Sense that can be either left at the baling site or connected to the baling tractor. The System logs temperature and humidity, and creates alerts for both when conditions are right for baling, as well as when conditions are no longer favourable and it is recommended the operator stops baling.

Data visualisation provided by Incyt Dashboard. Installation guide included.



System contents

1 x Polaris LTE-M Tracker with Advanced Sense


 + 1 month subscription = **\$350** PLUS selected plan

Power	Replaceable Industrial Lithium Thionyl Chloride primary battery pack
Temperature accuracy	±0.5°C @ 25°C
Humidity accuracy	±3% RH accuracy



Flood Fence Monitoring Solution

SKU: KT-A-00021-S1M

Monitor flood fence crossings for fence sag from flood damage events.


The Flood Fence Monitoring Solution includes a Polaris unit that can be connected to your flood fences to generate alerts when orientation changes from fence sag indicating a broken strain wire. Also capable of detecting the status of cyclone based drop gates.

Data visualisation provided by Incyt Dashboard. Installation guide included.



System contents

1 X Polaris LTE-M Tracker


 + 1 month subscription = **\$250** PLUS selected plan

Battery	Replaceable Industrial Lithium Thionyl Chloride primary battery pack, ~ 5yrs
Enclosure rating	IP68/IK10



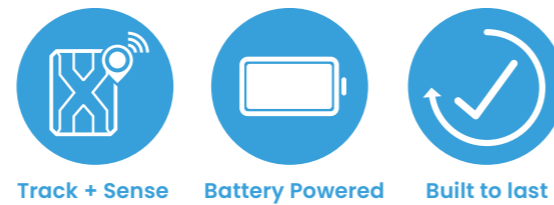
Lyra Bluetooth Tracking Beacon

SKU: ETBL2A

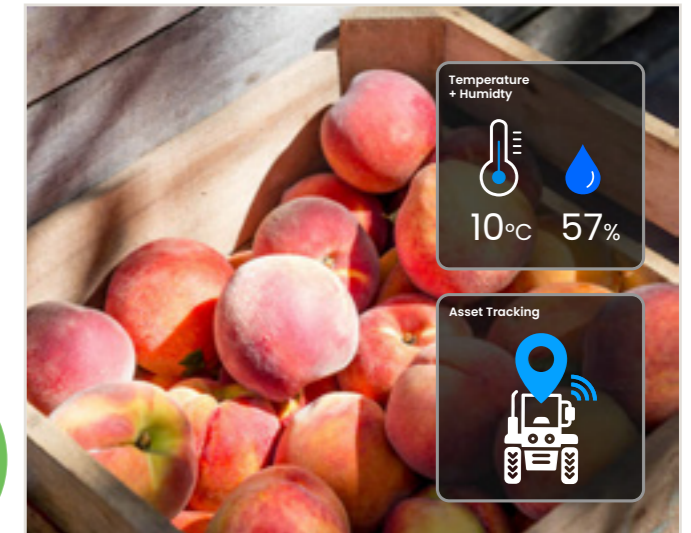
Compact ultra-long life Bluetooth Low-Energy beacon for low cost asset monitoring.

The Lyra is a small beacon device utilising Bluetooth Low-Energy technology to achieve a battery life of up to 5 years. Provides the last known location region of your assets since last contact with a Bluetooth listening device such as the Antares or Polaris during a listening window. Its small size, low cost and easy peel 'n stick installation makes it ideal for smaller or lower value assets that are typically stored and transported within range of an Antares. Has internal temperature sensor for reporting and recording thermal levels.

Data visualisation provided by Incyt Dashboard. Installation guide included.



Radio	Bluetooth Low-Energy
Battery	Non replaceable Lithium technology
Typical behaviour	Beaconing every few seconds with last sensor reading included in beacons (refreshed every 15 minutes)
Size and weight	21 x 38 x 45 mm, 36g
Enclosure Rating	IP68 / IK07
Mounting	VHB high strength adhesive, security metal bracket, cable-tie
Certifications	CE, RCM, BT Sig
Temp range	Temp range: -20°C to +60°C



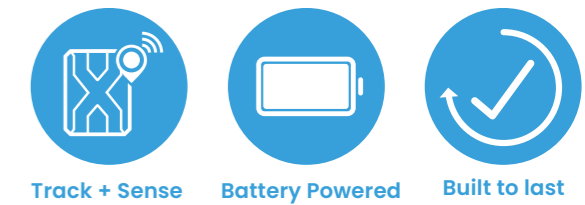
Lyra Bluetooth Track + Sense Beacon

SKU: ETBL1S

Compact ultra-long life Bluetooth Low-Energy beacon for low cost asset monitoring with sense capability.

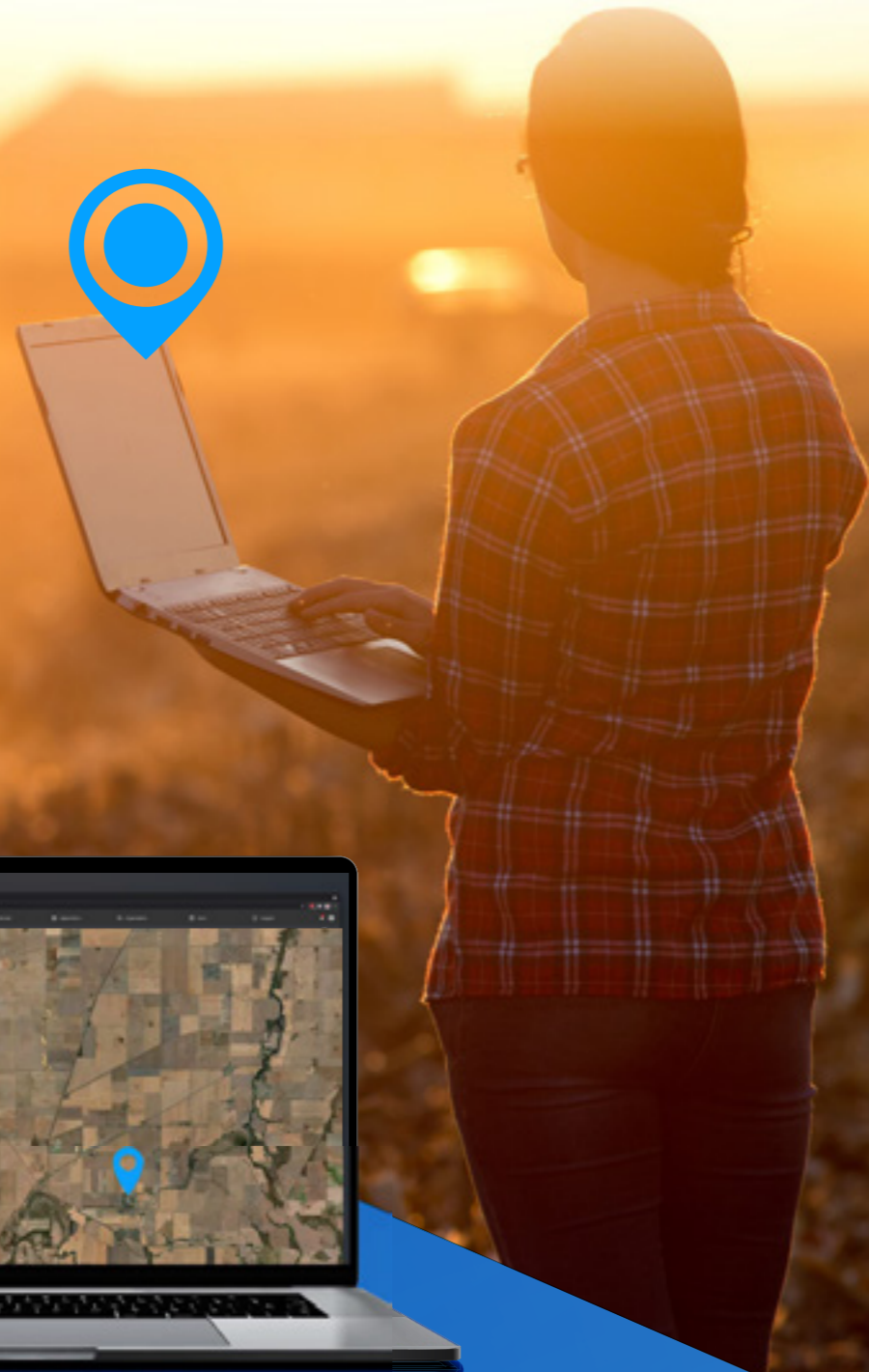
Lyra Sense includes onboard temperature, humidity, and activity level with logging capability to monitor environmental conditions over time. With easy peel 'n stick application and a battery life of up to 3 years, Lyra Sense is perfect for condition monitoring applications that require relatively high frequency transmission (hourly) with power efficient performance. Provides last known location region of your assets since contact with a Bluetooth listening device such as the Antares or Polaris during a listening window.

Data visualisation provided by Incyt. Dashboard. Installation guide included.

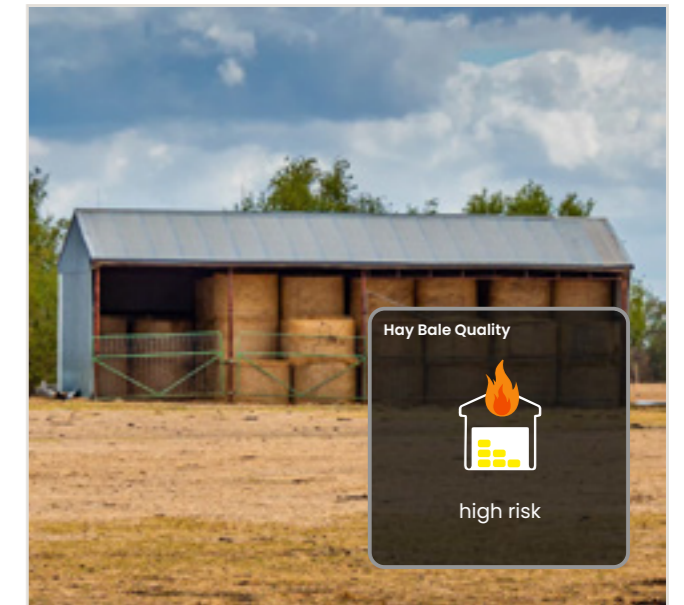


Radio	Bluetooth Low-Energy
Battery	Non replaceable Lithium technology
Typical behaviour	Beaconing every few seconds with last sensor reading included in beacons (refreshed every 15 minutes)
Size and weight	21 x 38 x 45 mm, 36g
Enclosure Rating	IP66 / IK06, sensor port must be kept free of liquid and dust
Mounting	VHB high strength adhesive, security bracket, cable-tie
Certifications	CE, RCM, BT Sig
Temp range	+5°C to +40°C
Temperature Sensing	±0.4°C
Accelerometer Sensing	3 Axis
Humidity	±4% RH accuracy

Reporting to wherever you are.



Whether you're in the next paddock over or 100km away, always see what's going on with reliable monitoring through the Incyt app on your phone, tablet or computer.



Hay Bale Monitoring System

SKU Basic: KT-A-00022-S1M
SKU Advanced: KT-A-00023-S1M

Be alerted when hay degradation is likely to be occurring and prevent combustion of hay bales.

The Hay Bale Monitoring System consists of number of Lyras sensors reporting to a BLE gateway device (Polaris or Antares). The Lyra sensors are inserted into a representative number of hay bales during storage. These sensors monitoring the temperature inside the bale and in the event of a temperature rise, the system generates an alert. In the event of likely hay degradation or combustion risk, appropriate action can be taken (selling, accelerating useage or breaking apart the stack).

Data visualisation provided by Incyt Dashboard. Installation guide included.



Track + Sense



Plug 'n Play



Built to last

x5 +
 x1 +
 1 month subscription =
 \$600 PLUS selected plan
BASIC (reporting temp 1/day)
 5 x Lyra BLE Beacon w/ Sense
 1 x Polaris LTE-M Tracker w/ Advanced Sense

x15 +
 x1 +
 x1 +
 1 month subscription =
 \$2410 PLUS selected plan
ADVANCED (higher frequency reporting)
 15 x Lyra BLE Beacon w/ Sense
 1 x Antares LTE-M Gateway



Asset Tracking Kits

Get a birds eye view of your key assets to help optimise logistics planning, team collaboration, asset utilisation and improve security.



The asset tracker kits are designed to help make locating your farm assets easy. View your key assets on one central map to help optimise logistics planning, team collaboration, asset utilisation and improve security on-farm and in the supply chain.

Antares Automotive

Suitable for automotive/machinery tracking applications where higher frequency reporting and/or a machinery area network is required. Most appropriate for assets that are:

- a) fast and/or frequently moving,
- b) carry other assets that may have Lyras, or
- c) connect to other assets that may have Lyras.

Recommended asset installations include: ute, truck, prime mover, side by side, quad bike, tractor, header, sprayer etc.

Antares Mains

Suitable for fixed installations to listen for Lyra BLE devices where mains power is available such as machinery, shearing, pump and fruit packing sheds. Recommended use in locations where equipment is stored or cold chain monitoring is relevant (e.g., fruit packing shed).

Antares Solar

Suitable for fixed installations to listen for Lyra BLE devices in remote unpowered locations such as water sources, hay sheds, property access locations, unpowered machinery sheds, stock yards, key gates/stock access points etc. Recommended use for stock tracking at key points like water sources, gates and yards.

Lyra

BLE beacon technology that shows where the asset was last seen/last picked by an Antares device during a listening window.

Most appropriate for use with:

- a) An item that travels in a vehicle that has an Antares machinery area network deployed (e.g., a chainsaw that travels in the back of a ute that has an Antares gateway),
- b) An asset that is often stored in a shed that has an Antares gateway (e.g., a machinery shed)
- c) Small assets (like a chainsaw, welder, power tools), or items that are low cost/low value but still may warrant location (e.g., chemical drums)

Polaris

GPS asset location suitable for use with unpowered assets and vehicles when less frequent location reporting is acceptable. Most appropriate for assets that are moved from time to time, or move on their own accord but may not warrant an Antares.

Recommended asset installations include: trailers, field bins, farm implements (air seeder, plough, auger etc.). Also suitable for ute, truck, prime mover, side by side, quad bike, tractor, header, sprayer etc.

Asset Tracker Starter Kit

SKU: KT-A-00024-S1M

1 x Antares + Mains Power Kit + 2 x Antares + Automotive Power Kits + 2 x Polaris LTE-M Tracker + 10 x Lyra BLE Beacon + 1 month subscription = **\$2755** PLUS selected plan Package Price

Asset Tracker Pro Kit

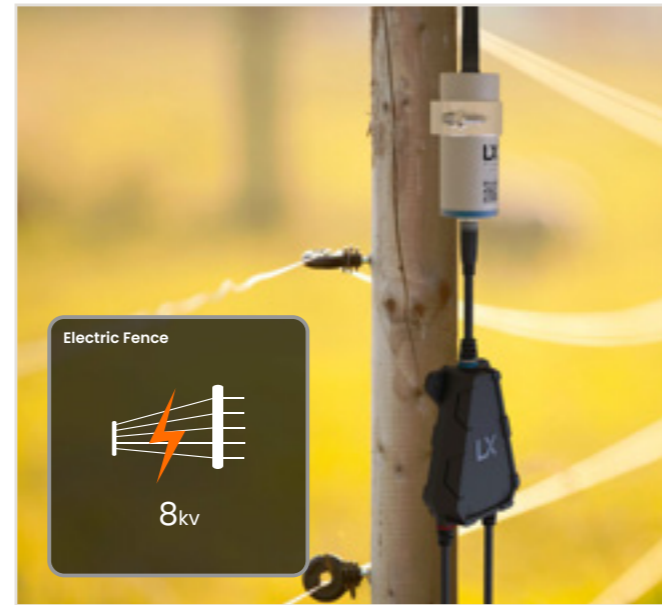
SKU: KT-A-00025-S1M

2 x Antares + Mains Power Kit + 4 x Antares + Automotive Power Kits + 4 x Polaris LTE-M Tracker + 20 x Lyra BLE Beacon + 1 month subscription = **\$5510** PLUS selected plan Package Price

Asset Tracker Advanced Kit

SKU: KT-A-00026-S1M

2 x Antares + Mains Power Kit + 6 x Antares + Automotive Power Kits + 10 x Polaris LTE-M Tracker + 30 x Lyra BLE Beacon + 1 month subscription = **\$8700** PLUS selected plan Package Price



Electric Fence Monitor

SKU: KT025


Electric fence voltage measurement with reporting for fault conditions.

Monitor the status and voltage of your electric fence at remote locations with this easy to install system. The sensor monitors the peak pulse voltage from any electric fence so you can quickly be alerted to faults and issues. Detects marginal performance in addition to complete faults. SMS alerts supported.

The sensor pack comes with a Blue Node. Data visualisation provided by Incyt Dashboard. Installation guide included.

- 

LoRaWAN and Private LoRa Connectivity
- 

Plug 'n Play
- 

Built to last

System contents

- 1 x Electric Fence Monitor
- 1 x Blue Node



Input	Compatible with any energiser with a voltage up to 15kV
Operating temp. range	-20°C to + 80°C
Enclosure	IP69



Gate Detection System

SKU: KT-A-00027-LX920-S1M


SKU: KT-A-00027-AS923-S1M


Remotely monitors the status of gates and doors.


This pack gives you the ability to remotely view the status of gates on your property, using this robust, stainless steel sensor.

The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.

- 

LoRaWAN and Private LoRa Connectivity
- 

Plug 'n Play
- 

Built to last

System contents

- 1 x Gate Detection Sensor
- 1 x Blue Node



Operating temperature range	-20°C to +70°C
Compatibility	Operates when mounted on metal structures and also within non-ferrous materials such as wood, plastic or aluminium



Laser Beam Break Sensor Kit

Laser based retroreflective sensor for applications in which a beam break corresponds to a critical event.

The beam break sensor is a laser retroreflective sensor with 10m range. It comes with mounting accessories, reflector, power junction and solar or mains power kit. Suitable for applications such as vehicle crossing detection, fuel theft alert and shed entry detection. Unlike PIR sensors, this detection sensor works for both small or large objects, slow or fast motion and cold or hot objects. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



Plug 'n Play



Built to last



LoRaWAN and Private LoRa Connectivity



Mains/Solar Powered

Kit 1 (power supply option) contents:

- 1 x laser retroreflective sensor with bracket system and reflector
- 1 x power junction
- 1 x Blue Node
- 1 x mains supply kit

\$1560
PLUS
selected plan

Kit 2 (solar powered option) contents:

- 1 x laser retroreflective sensor with bracket system and reflector
- 1 x power junction
- 1 x Blue Node
- 1 x solar kit

\$2290
PLUS
selected plan

Detection range	Up to 10m (5m in rain/dusty conditions)
Sensor technology	High speed laser retrofelective beam
Laser	6.7nJ pulse @ 680nm (red)
Laser classification	Class 1
Power source	solar kit (remote locations) or mains (shed based)

Road Crossing Detection System

SKU: KT-A-00028-LX920-S1M
SKU: KT-A-00028-AS923-S1M

Detect vehicles and other moving objects entering or leaving your property.

This system provides a solar powered vehicle/object detection system using retroreflective laser technology. The solution can detect fast and slow moving vehicles, does not rely on heat detection and works during both night and daytime.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



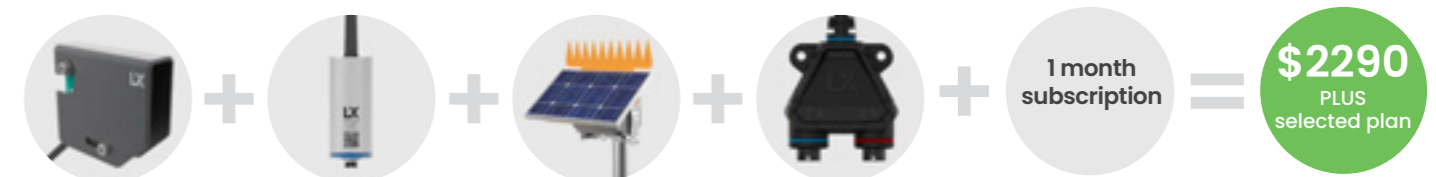
Built to last



Solar powered

Kit contents:

- 1 x laser retroreflective sensor with bracket system & reflector
- 1 x power junction
- 1 x Blue Node
- 1 x solar kit



Detection range	up to 10m (5m in rain/dusty conditions)
Sensor technology	High speed laser retrofelective beam
Laser	6.7nJ pulse @ 680nm (red)
Laser classification	Class 1
Power source	Solar kit



Fuel Theft Detection System

SKU: KT-A-00029-LX920-S1M

SKU: KT-A-00029-AS923-S1M

Detect and be alerted of on-farm fuel bowser activity.

Be alerted of fuel bowser activity to help protect against fuel theft. The system uses high speed beam break technology to detect bowser activity. The kit includes the Laser Beam Break Sensor, Solar Kit, Blue Node, and Power Junction.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



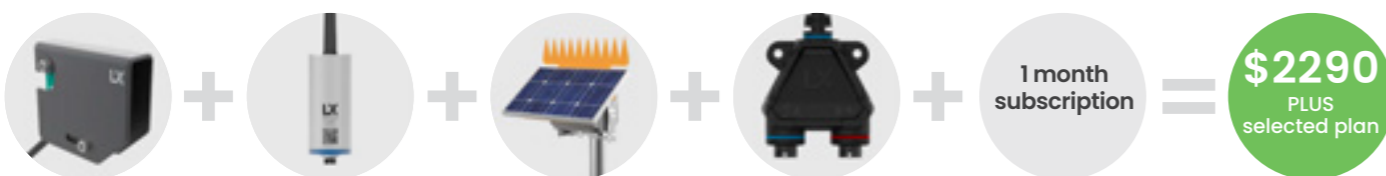
Built to last



Solar powered

Kit contents:

- 1 x laser retroreflective sensor with bracket system + reflector
- 1 x power junction
- 1 x Blue Node
- 1 x solar kit



Detection range	up to 10m (5m in rain/dusty conditions)
Sensor technology	High speed laser retroflective beam
Laser	6.7nJ pulse @ 680nm (red)
Laser classification	Class 1
Power source	Solar kit



Shed Security System

SKU: KT-A-00030-LX920-S1M

SKU: KT-A-00030-AS923-S1M

Detect and be alerted of on-farm shed entry activity.

Protect machinery and assets in your sheds. This system uses beam break technology to detect people, vehicles and objects entering and exiting your shed. The kit includes the Beam Break Sensor, Blue Node, and Power Junction, mains adaptor and mains cable.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last



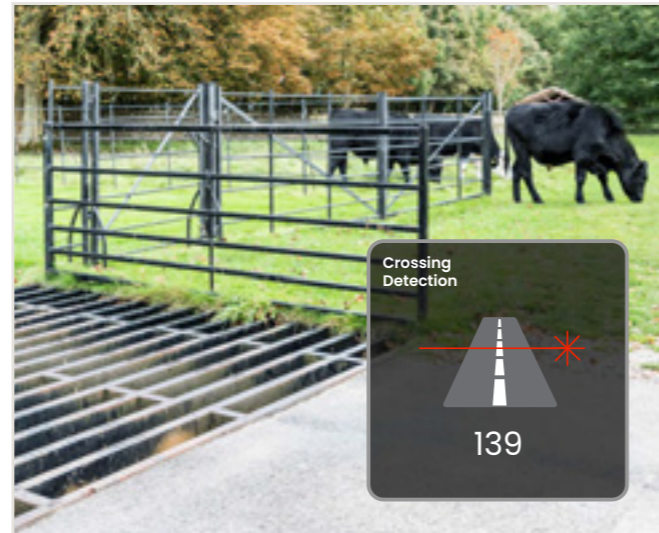
Mains

Kit contents:

- 1 x laser retroreflective sensor with bracket system & reflector
- 1 x power junction
- 1 x Blue Node
- 1 x mains supply kit (mains cable + adaptor)



Detection range	up to 10m (5m in rain/dusty conditions)
Sensor technology	High speed laser retroflective beam
Laser	6.7nJ pulse @ 680nm (red)
Laser classification	Class 1
Power source	Mains (shed based)



Ramp Crossing Detection

SKU: KT-A-00031-LX920-S1M
SKU: KT-A-00031-AS923-S1M

Detect vehicles and stock crossing ramps on your property.

Detect when vehicles and animals cross a ramp. This system uses beam break technology to detect when an object (animal, vehicle, etc.) crosses your ramp. The kit includes the Beam Break Sensor, Solar Kit, Blue Node, and Power Junction.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last



Solar powered

- Kit contents:**
 1 x laser retroreflective sensor with bracket system & reflector
 1 x power junction
 1 x Blue Node
 1 x solar kit

Detection range	up to 10m (5m in rain/dusty conditions)
Sensor technology	High speed laser retroreflective beam
Laser	6.7nJ pulse @ 680nm (red)
Laser classification	Class 1
Power source	Solar kit



Water Flow Sensor

SKU: KT-A-00032-LX920-S1M
SKU: KT-A-00032-AS923-S1M

Accurately monitor water flow rate in irrigation and stock water distribution systems.

The Water Flow Sensor allows you to monitor the performance of your water and irrigation systems. It can assist in leak detection, understanding flow rates from pumps, bores and tank inlets or outlets, irrigation times, and allows you to monitor and control the degree of irrigation delivered to crops. The sensor can also aid in understanding water distribution usage - detecting and understanding abnormal water patterns. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

Requires separate purchase of pipe fittings and/or saddle accessory

- System contents:**
 1 x Water Flow Sensor
 1 x Blue Node

Accuracy (velocity)	± 2.5% accuracy at velocity range 0.5 to 8.5 m/sec
Operating temp. range	+1°C to + 70°C (water must be in liquid state for the sensor to work)
Sensor material	Stainless steel 17-4PH paddle wheel rotor
Pipe diameter	ø15mm to ø100mm in diameter (alternate options available for 100mm - 300mm)
Sensor technology	Induction



Retrofittable Irrigation Flow Monitoring

SKU: KT-A-00033-LX920-S1M
SKU: KT-A-00033-AS923-S1M

Integrate with flow meters already installed on your existing irrigation system with our Smart Sensor.

The Retrofittable Irrigation Flow Monitoring System consists of an Smart Sensor Pulse Count cable to easily and seamlessly integrate with your existing dry contact pulse output flow meters.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



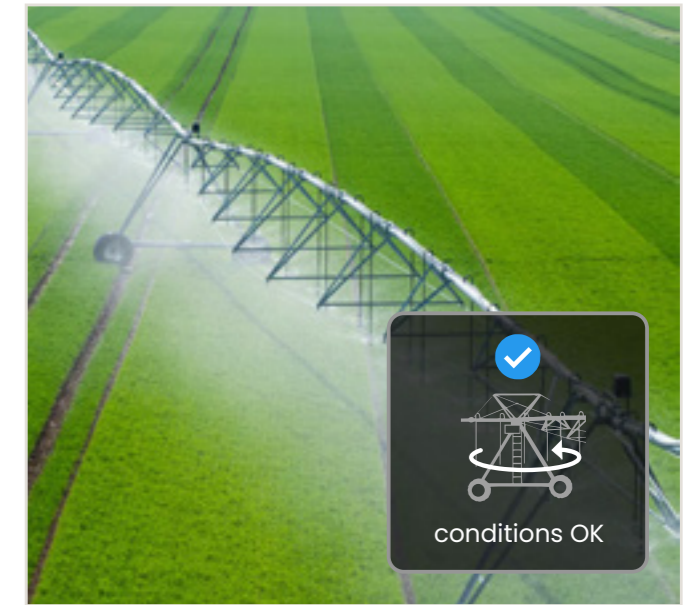
Plug 'n Play



Built to last

System contents:

- 1 x Blue Node
- 1 x Smart Sensor Pulse Cable



Irrigation Motion Detection System

SKU Basic: KT-A-00034-S1M
SKU Advanced: KT-A-00035-S1M

Ensure your lateral or pivot irrigation system is moving as intended.

The Irrigation Motion Detection System monitors lateral and pivot irrigation systems to ensure they are moving as intended. This system helps detect excessive dwell time in one location. Two implementation options available.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



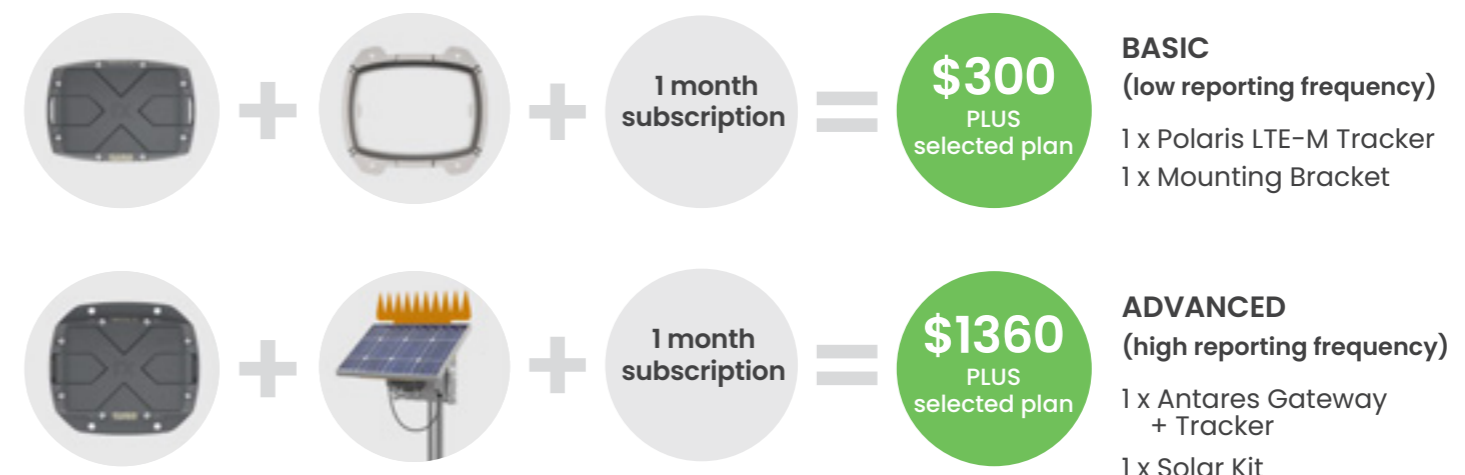
Plug 'n Play



Built to last

System contents:

- 1 x Blue Node
- 1 x Smart Sensor Pulse Cable





Water Presence Sensor

SKU: KT-A-00036-LX920-SIM
SKU: KT-A-00036-AS923-SIM

Water presence sensor for trough and tank monitoring.

Help protect your stock from dehydration using this water presence sensor that detects and alerts you when there is no water available in a trough or tank.

The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard.
Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents:

- 1 x Blue Node
- 1 x water presence sensor

Enclosure rating	IP69
Sensor technology	Electrical conductivity
Operating temp. range	-20°C to + 80°C



Ultrasonic Water Level Sensor

SKU: KT-A-00001-LX920-SIM
SKU: KT-A-00001-AS923-SIM

Rugged and durable non-contact liquid level measurement for tanks and open water sources.

Install these sensors in water tanks and over open water resevoirs such as dams, turkey nests, irrigation channels and creeks/ rivers (where mounting infrastructure is available). This sensor measures the distance to the surface level using non-contact ultrasonic technology.

The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard.
Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play

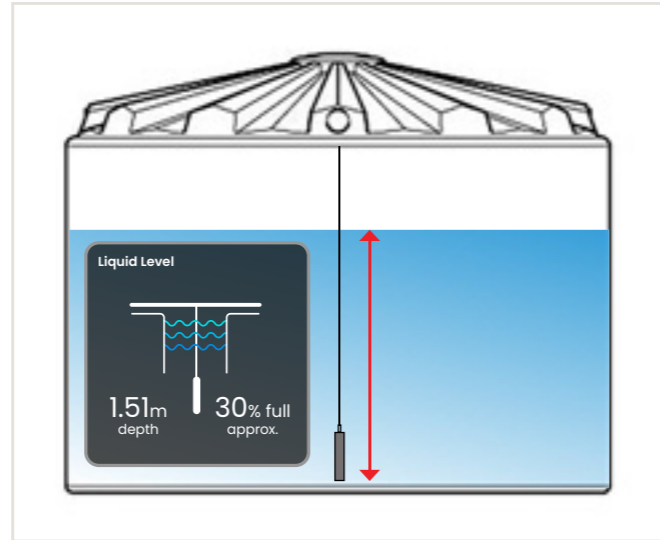


Built to last

System contents:

- 1 x Blue Node
- 1 x Ultrasonic sensor

Operating temperature range	-20°C to + 65°C
Enclosure rating	IP67
Sensing distance	0.5m to 10 m



Hydrostatic Liquid Level Sensor

SKU: KT-A-00037-LX920-S1M

SKU: KT-A-00037-AS923-S1M

Submersible hydrostatic level sensor for remote water/liquid level measurement.

Submersible stainless steel hydrostatic level sensor for monitoring tank levels and other reservoirs to provide clear and accurate reporting on water/liquid levels. Receive alerts when levels drop below your predefined triggers - giving you peace of mind and avoiding regular manual checking. Works even when submersed in many corrosive materials. This hydrostatic sensing probe has piezoresistive measuring elements that have ambient temperature and atmospheric air pressure compensation. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

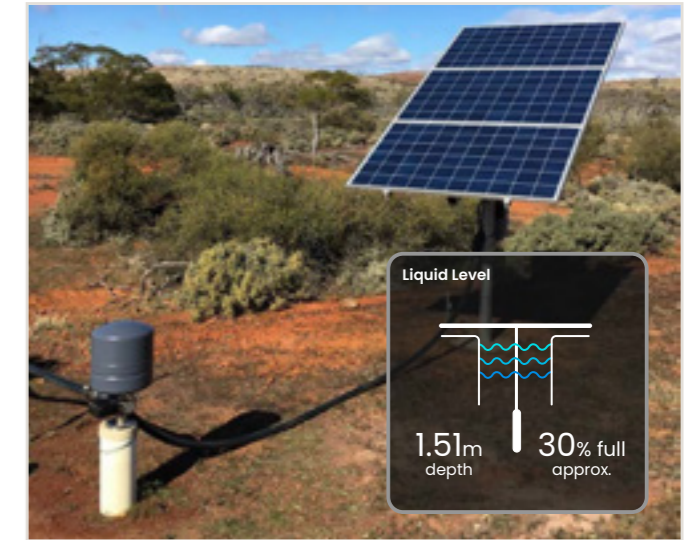
System contents:

- 1 x Blue Node
- 1 x Hydrostatic Level Sensor






Pressure range	0 – 1 bar
Shaft diameter	32mm
Accuracy	0.5%
Cable length	3m Smart Sensor cable
Output	4-20 mA



Bore and Well Water Level Sensor

Accurate titanium bore and well water level measurement.

The bore and well water level sensor can be used to accurately measure the available water level in your bore/well. Made from titanium, to withstand the corrosive water present in many Australian bores. This sensor comes with a variety of cable lengths, including 50m, 100, and 150m.

Contact Incyt on enquiries@incyt.io to discuss your specific requirements.

The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents:

- 1 x Blue Node
- 1 x Water Level Sensor






Sensor diameter	19mm body diameter
IP rating	IP68
Material	Titanium
Range	0-50m, 0-100m and 0-150m
Accuracy	0.5% FS



In-line Pipe Pressure Monitoring System

SKU: KT-A-00038-LX920-S1M

SKU: KT-A-00038-AS923-S1M

Reliably monitor the pipe pressure in your on-farm water distribution and irrigation systems.

In-line pipe pressure sensors can be installed in your on-farm water distribution and irrigation systems to help ensure correct functioning of pumps, valves and pipes/joins. This system helps identify issues quickly when they arise. Pressure sensors are frequently installed on the pressure side of pumps to detect abnormal pump operation (including failure to start and an unprimed pump). Also installed at end of runs to detect leaks, abnormal water usage, etc. The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents:

- 1 x Blue Node
- 1 x In-line pipe Pressure Sensor

Operating temperature range	-20°C to +70°C
Compatibility	Monitored fluid must be in liquid or gas state
Material	Stainless steel
Pressure range	0-20 bar



Irrigation Pressure Monitoring System

SKU: KT-A-00039-LX920-S1M

SKU: KT-A-00039-AS923-S1M

Detect unexpected pressure differentials indicating issues on lateral, pivot and fixed irrigation systems.

These Pressure Sensors can be installed at the end of lateral, pivot and fixed irrigation systems to detect unexpected pressure differentials. Detect leaks, missing spray boots, pump pressure and blockages to ensure optimum system operation and intervene quickly to resolve issues.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents:

- 1 x Blue Node
- 1 x In-line Pipe Pressure Sensor

Operating temperature range	-20°C to +70°C
Compatibility	Monitored fluid must be in liquid or gas state
Material	Stainless steel
Pressure range	0-20 bar



Pump Monitoring System

- SKU Base: KT-A-00044 -S1M
- SKU Base: KT-A-00044 - S1M
- SKU Standard: KT-A-00040-LX920-S1M
- SKU Standard: KT-A-00040-AS923-S1M
- SKU Pro: KT-A-00041-LX920-S1M
- SKU Pro: KT-A-00041-AS923-S1M

Gain insight into your water pump performance LX's three-level Pump Monitoring System.

- Monitoring System** - The Basic Pump Monitoring System works on motion detection and provides reports on run time. It is plug and play, and works on most pumps, including petrol, diesel, electric and windmills.
- Standard Monitoring System** - As well as identifying pump status and run time, the standard system can determine whether the pump is primed and monitor the water pressure at the outlet of the pump to provide insights into water pressure related issues.
- The **Pro Monitoring System** performs all the functions of the Standard System, as well as measuring the flow rate at the outlet of the pump.

Data visualisation for all systems is provided by Incyt Dashboard. Installation guide included.

LoRaWAN
LTE-M

NNNco LoRaWAN and LTE-M Connectivity

Plug 'n Play

Built to last

System contents

- Basic**
1 x Polaris with dynamic motion profiling
- Standard**
1 x In-Line Pipe Pressure Sensor
1 x Blue Node
- Pro**
1 x In-Line Pipe Pressure Sensor
1 x Water Flow Sensor
2 x Blue Node

BASE
\$300
PLUS
selected plan

STANDARD
\$1250
PLUS
selected plan

PRO
\$2750
PLUS
selected plan



Pump Control Kit

COMING SOON

Smart Sensor enabled control cable and power system for remote pump control.

The LX Smart Sensor enabled Pump Control Cable facilitates retrofittable remote pump control. System provides a 12V control signal for relay activation. Electrician required for installation and supply of pump interface equipment as required.

The kit comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.

LoRaWAN
LoRa

LoRaWAN and Private LoRa Connectivity

Plug 'n Play

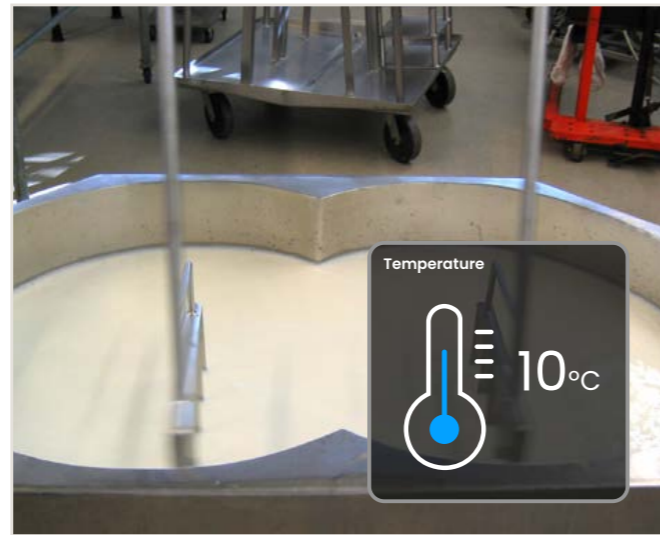
Built to last

Kit contents

- 1 x LX Smart Sensor Pump Control Cable
 - 1 x Blue Node
 - 1 x Power Junction
 - 1 x USB Power Supply Unit
 - 1 x USB C Cable
- Note: solar power option also available*

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COMING SOON



Industrial Temperature Sensor (Low Temp)

SKU: KT-A-00042-LX920-S1M

SKU: KT-A-00042-AS923-S1M

Monitor milk vats, fridges and freezers to receive alerts in the event of cooling system failure.

Hermetically sealed stainless steel explosion proof industrial temperature sensor. This highly accurate temperature probe is ideal for use in milk vats, and for fridge and freezer monitoring to generate alerts in the event of out of bound conditions indicating cooling system failure. -50°C to +50°C sensor range, other ranges also available.

The sensor pack comes with a Blue Node. Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents

- 1 x Industrial Temperature Low Temp Sensor
- 1 x Blue Node

Temperature sensor range	-50°C to +50°C
Sensor construction	316L stainless steel
Probe diameter	Ø6 mm
Accuracy	0.5%
Cable length	2m



Industrial Temperature Sensor (High Temp)

SKU: KT-A-00043-LX920-S1M

SKU: KT-A-00043-AS923-S1M

Monitor vats, fridges and freezers to receive alerts in the event of cooling system failure.

Hermetically sealed stainless steel explosion proof industrial temperature sensor. This highly accurate temperature probe is ideal for use in vats, and for fridge and freezer monitoring to generate alerts in the event of out of bound conditions indicating cooling system failure. 0°C to 200°C sensor range, other ranges also available.

The sensor pack comes with a Blue Node. Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents

- 1 x Industrial Temperature High Temp Sensor
- 1 x Blue Node

Temperature sensor range	0°C to 200°C
Sensor construction	316L stainless steel
Probe diameter	Ø6 mm
Accuracy	0.5%
Cable length	2m



Fuel Level Sensor

COMING SOON

Accurately and reliably monitor diesel fuel levels to optimise fuel deliveries.

This explosion proof submersible hydrostatic sensor can be used in fuel storage tanks to monitor diesel fuel levels. Contact LX for pricing and lead times.

The sensor pack comes with a Blue Node.

Data visualisation provided by Incyt Dashboard. Installation guide included.



LoRaWAN and Private LoRa Connectivity



Plug 'n Play



Built to last

System contents

- 1 x Fuel Level Sensor
- 1 x Blue Node



Level range	0-6m
Sensor type	Submersible hydrostatic
Ex rating	Explosion proof
Accuracy	0.25%



Solar Kit for Base Station

SKU: LX-SK25

Provides power to a Base Station (or Blue Node) in remote areas.

The Solar Kit can be used to provide an external power source for a Base Station if you are operating in an area without existing LoRaWAN coverage and power. Also capable of supplying power to a Blue Node via a Power Junction for high power applications such as pump control.

Installation guide included.



Animal Proof



Easy Install



Built to last



Flexible location

Battery	12V 4.0Ah SLA battery
Panel	10W
Operating temperature range	-20°C to + 70°C
Enclosure	IP67



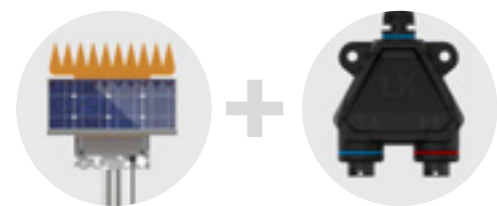
Solar Kit for Blue Node

SKU: KT-A-0002-S1M

Provides power to a Base Station (or Blue Node) in remote areas.

The Solar Kit can be used to provide an external power source for a Base Station if you are operating in an area without existing LoRaWAN coverage and power. Also capable of supplying power to a Blue Node via a Power Junction for high power applications such as pump control.

Installation guide included.



Animal Proof



Easy Install



Built to last



Flexible location

Battery	12V 4.0Ah SLA battery
Panel	10W
Operating temperature range	-20°C to + 70°C
Enclosure	IP67



Solar Panel for Antares Gateway

SKU: LX-SK25GW

Provides power to Antares Gateway for fixed listening in remote areas.

Power your Antares Bluetooth enabled LTE-M Gateway with the 12V Solar Kit for operation in remote areas. Typical installation locations include stock water sources, gates and unpowered machinery sheds.

Installation guide included.



Animal Proof



Easy Install



Built to last



Flexible location

Battery	12V 4.0Ah SLA battery
Panel	10W
Operating temperature range	20°C to + 70°C
Enclosure	IP67



\$175







Power Junction

SKU: BNYPR10

The Power Junction enables a Blue Node to be powered from a USB-C power source (from a mains adapter) or via a Solar Kit.

The Blue Node has a battery life of up to 10 years in the majority of applications. However, for control applications (such as turning a pump on and off), high frequency reporting applications and high energy sensors (such as continuous retroreflective laser sensor), external power may be required. In such situations, the Sensor Junction and Solar Kit or USB-C Plug Pack are available. Please contact us to discuss your specific needs. Installation guide included.

-  Easy Install
-  Built to last
-  Plug 'n Play
-  Mains

Ingress protection	IP67
Input power range	5V to 30VDC (>15W recommended)
Compatible with	USB-C Base Station cable range & Solar Kit
Temperature range	-20°C to + 70°C



\$175



Sensor Junction




SKU: BNYPB10

Connect two LX Smart Sensors to one Blue Node.

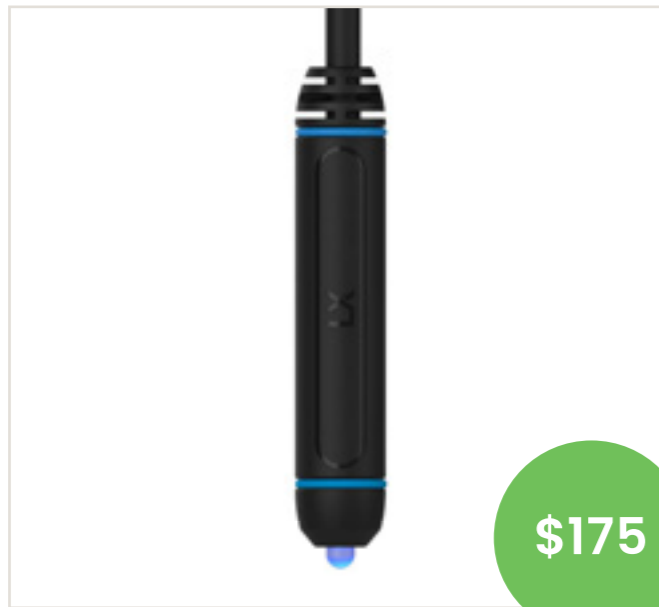
The Sensor Junction is an accessory that allows two Smart Sensors* to connect to a single Blue Node simultaneously. It can be used directly with an LX Blue Node, or in conjunction with a Power Junction. Intuitive colour coded system indicates valid Sensor Junction combinations.

Installation guide included.

*Refer to Sensor Combos page

-  Easy Install
-  Built to last
-  Plug 'n Play

Ingress protection	IP67
Temperature range	-20°C to + 70°C
Sensor combinations	refer to diagram
Temperature range	-20°C to + 70°C



\$175



Range Test Unit

SKU: RTL10

Test network availability and signal strength at selected Blue Node installation sites.

The Smart Sensor enabled Range Test Unit may be helpful in several Blue Node installation scenarios:

1. If an installation site is on the fringe of reception of LoRa/LoRaWAN, an optimal installation location may be identified using the Unit.
2. In instances where there is no mobile phone reception, it may not be possible to use the phone App to confirm the unit is correctly installed.
3. To assist in the set-up and testing of high gain directional antennas in areas that otherwise may not have network coverage.

User guide included.



Plug 'n Play



Easy Install

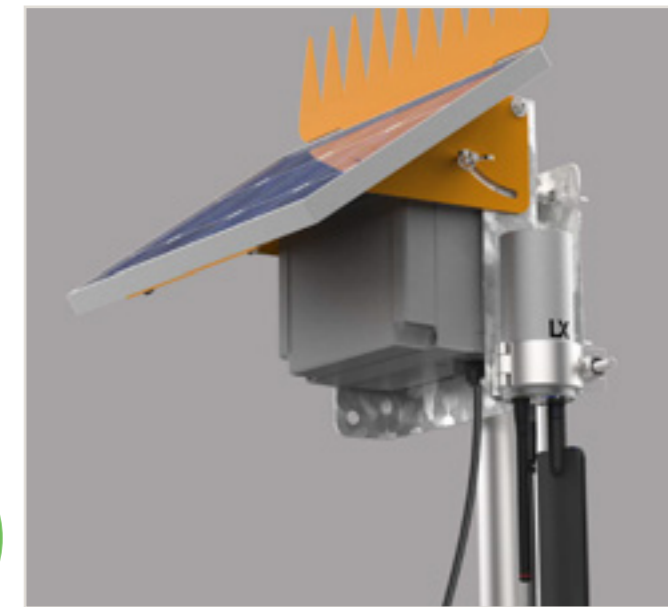


Built to last

Ingress protection	IP67
Network tests	LoRaWAN and private LoRa
Compatible with	Blue Node
Temperature range	-20°C to + 70°C
User interface	Blue LED



\$1900



LTE-M Private LoRa Base Station

SKU: LTE-M 433MHz - BS4L4A

SKU: LTE-M 900MHz - BS4L9A

LTE-M Private LoRa Base Station for deploying LoRa network access for remote areas that do not have LoRaWAN coverage.

Deploy your own LoRa network in minutes with this LTE-M Private LoRa Base Station for areas that do not currently have LoRaWAN network coverage, or devices operating in coverage gaps.

Automatic plug n' play network creation in minutes, simply mount on a high location, plug in and activate. Easy to install and can be powered through mains USB-C cable or Solar Panel Kit. High gain antennas available for enhanced performance. Telstra 4G (LTE-M) backhaul, and 3G variant also available. Capable of supporting high numbers of connected devices. Ultra-long range LoRa network deployment (range dependant on installation and terrain).

Installation guide included.



Plug 'n Play



Built to last



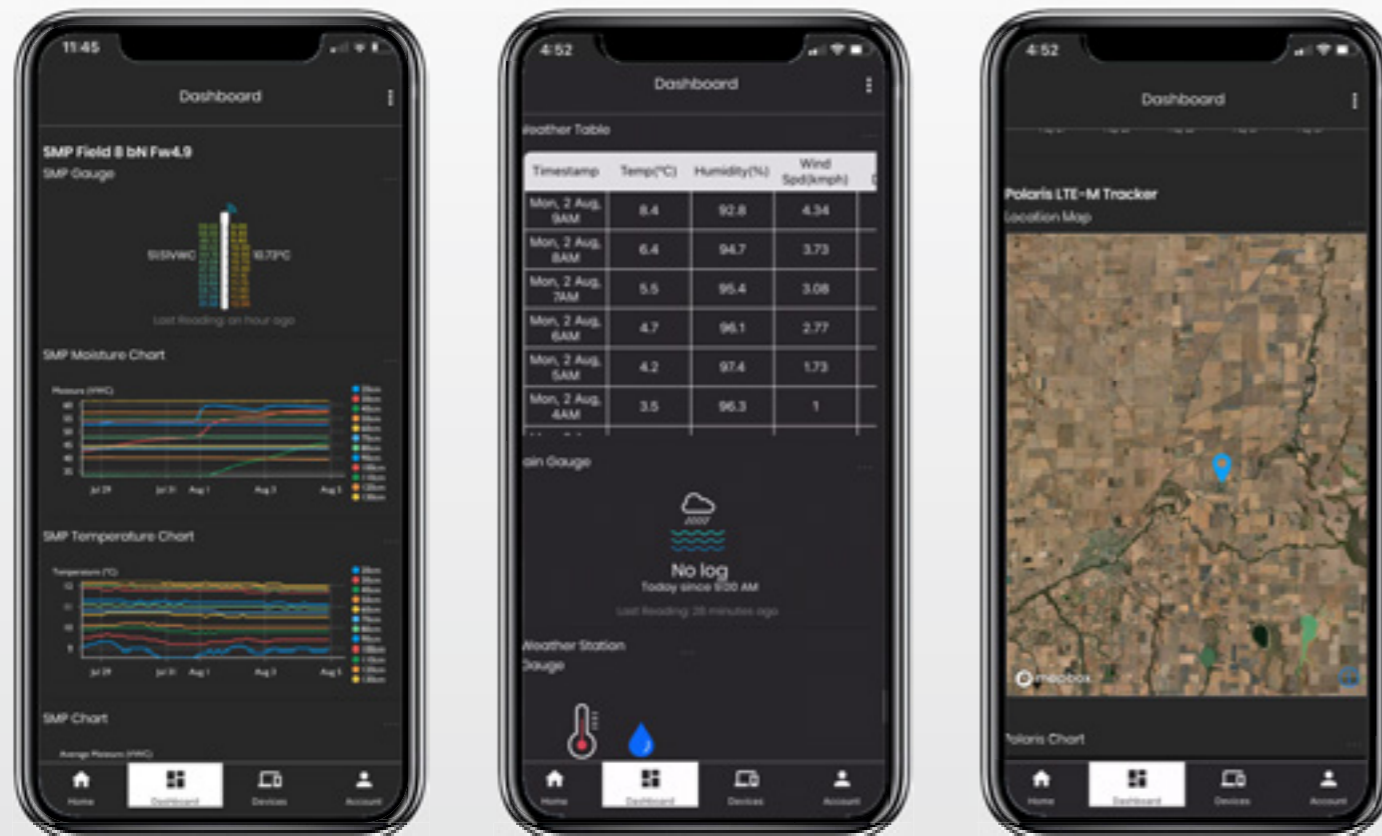
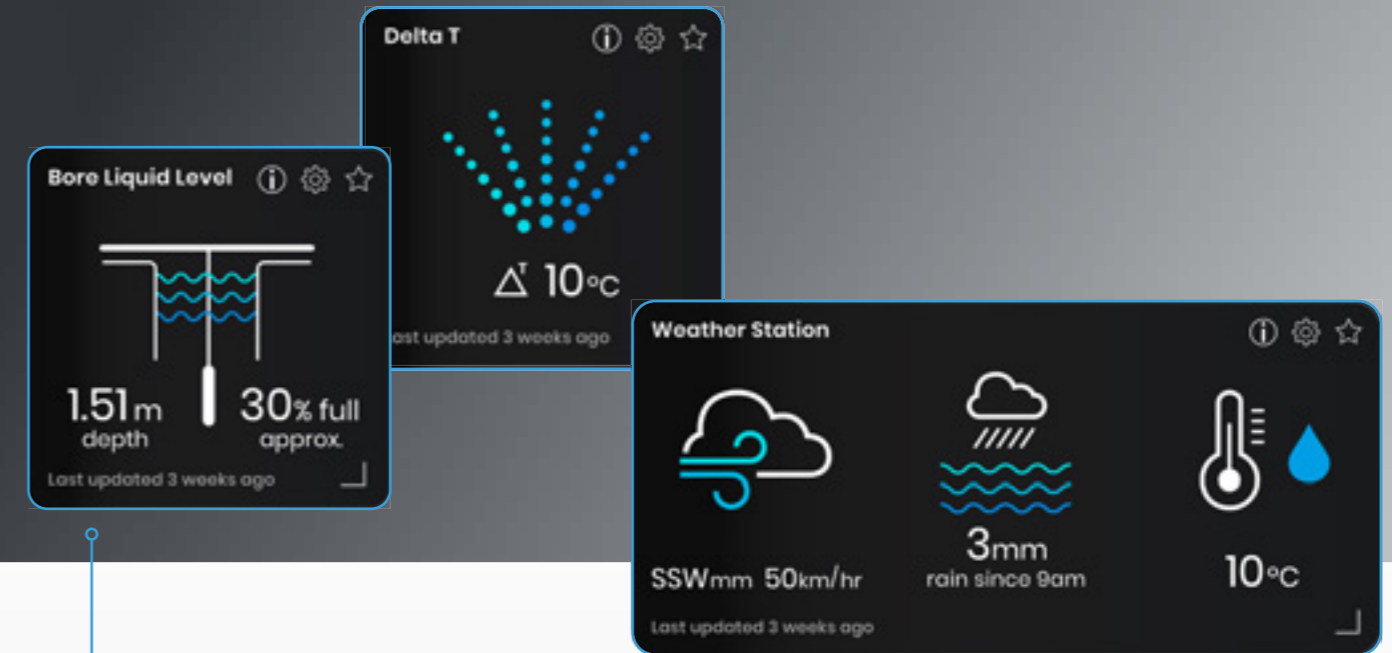
Mains/Solar Powered

Network range	Typically 5-15km, up to 25km (ideal conditions)
Enclosure	IP67, milled out of a solid block of aluminium
Advanced functionality	Edge processing capable
Device operating temperature	-20°C to + 70°C
Software	OTA software updates
Backhaul	LTE-M (or 3G variant)
Power source	USB-C mains adaptor or Solar Kit

1 app, 1 dashboard, unlimited insights.

Wherever you are, see what's happening on your smart farm at a glance - on your phone, tablet or computer with the Incyt app.

Get peace of mind and insights to improve productivity in one easy-to-use system.





Contact us for pricing

Smart Farm Planning Service

SKU: SER02

The team at Incyt provide a Smart Farm Planning Service to assist in the architecture of your smart farm transformation.

Incyt provides a consulting service to help you get the most out of the Incyt Product Ecosystem, and assist you in obtaining the best return for your investment. The team run a discovery process to understand your operation to provide insightful feedback and advice tailored to your unique operation and goals. Save time and have peace of mind knowing you have the best set up for your property.

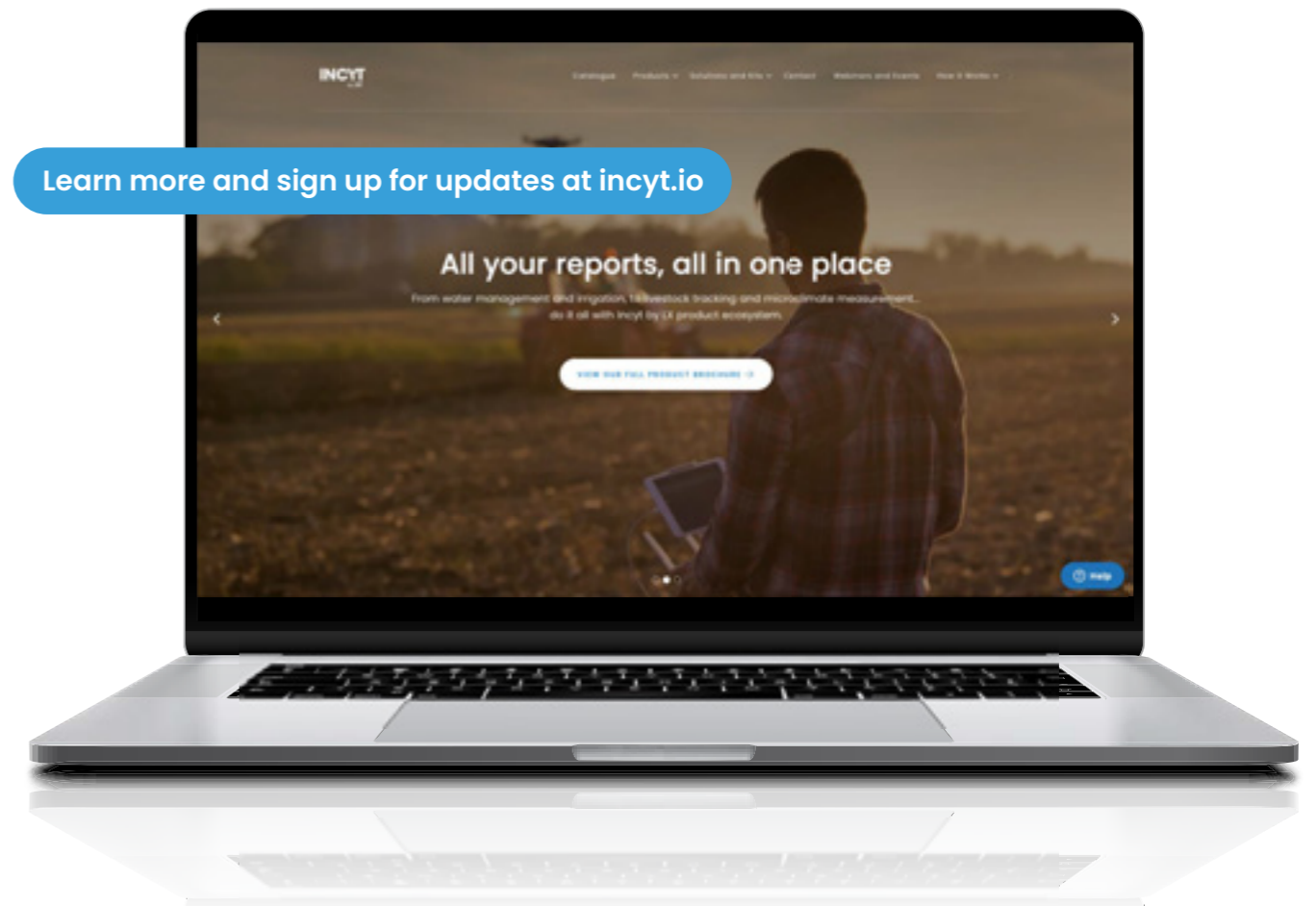
We're here to help your farm get connected

At Incyt we're on a mission to build technology that accelerates positive change at scale. Our vision is to be at the forefront of what's next – realising innovative solutions that transform organisations and industries.

Reach out to your local Incyt field sales representative.

We are keen to work with you to explore options and help with your smart farm transformation journey.

Contact us at enquiries@incyt.io or phone **+61 2 9191 1501**



Learn more and sign up for updates at incyt.io

All your reports, all in one place

From water management and irrigation, livestock tracking and microclimate measurement, do it all with Incyt by Ix product ecosystem.

VIEW OUR FULL PRODUCT BROCHURE

The Incyt system of connected sensors, telemetry nodes, trackers and gateways for On-Farm monitoring has been developed by an award winning team.

The AgTech Ecosystem is the recipient of a 2021 Gold Good Design Award and the Gold Category Award Winner for Product Design in the 2021 Sydney Design Awards.



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