Soil - Moisture /Temperature/ Salinity Kits

myinsight.io

anything, anywhere, anytime

Soil Probe Solutions

The myinsight.io Soil Moisture, Temperature & Salinity kit has been developed to provide Australian farmers real-time soil monitoring data.

EnviroPro® sub-surface Soil Probes have been carefully engineered to be accurate, long-life, maintenance-free instruments suitable for all soil types.

Their design employs clever techniques to correctly compensate moisture measurements for variations in salinity, as well as compensating moisture and salinity measurements for temperature variations, something not observed in any competitor probes.

Salinity measurements help to track the absorption of fertiliser through the root depth, as well as alerting to unfavourable groundwater conditions.

Aggregating potentially hundreds of soil sensors together on the myinsight.io dashboard can provide unparalleled insight into soil changes allowing you to develop precision cropping techniques, with a range of applications from developing fertilisation schedules, triggering leaching irrigation on a when-required basis, and alerting to problem areas.

IOther applications include composting, mining, environmental monitoring, and scientific research. Powertec provide full network design services. Contact our team to begin your automation journey today.

SPECIFICATIONS

Features

* 24 soil moisture and temperature sensors
* 40cm or 120cm probe length
* Measurements every 10cm depth
* 6 V solar power kit & connectivity module
* Suitable for all crop root depths
* Set-and-forget maintenance free
* Easy field installation
* Improve farm decision making

To make sure your project stays within budget three wireless connectivity options are available, allowing you to option-in extra connectivity when needed.

Option 1. WiFi & Bluetooth
Option 2. WiFi & Bluetooth + LoRa & Sigfox
Option 3. WiFi & Bluetooth + LoRa & Sigfox + NB-IoT & LTE-M

Battery Power Supply

This kit is powered using the included 6 Volt 2 Watt solar power kit. The entire system is enclosed in an IP66-rated Fibreglass box, with pole mounting bracket..

Dimensions

Size: 40cm or 120cm probe length

Warranty

Warranty: 2 years
Operational life in excess of 5 years (depending on sensors used and reporting frequency).

A product of powertec IoT
+61 7 5577 0500
sales@powertec.com.au
www.powertec.com.au

myinsight.io
+ 61 7 5577 0500
sales@myinsight.io
www.myinsight.io