



Bluetooth Soil Analyser

\$850

Soil - pH + Temperature + Moisture + EC

Device Features

- Take instant readings
- Log GPS location via phone
- Rechargeable Battery – USB-C
- Downloadable & Trackable data
- 8 ft cables

Soil Moisture Data

- Range: 0-100.00 V/V %
- Resolution: 0.01 V/V %
- Accuracy: $\pm 3\%$ (0-53%)V/V %, $\pm 5\%$ (>53%) V/V %
- Measure Method: FDR, with temperature & EC, compensate

Soil Temperature Data

- Range: $-40.00^{\circ}\text{C} \sim 85.00^{\circ}\text{C}$
- Resolution: 0.01°C
- Accuracy: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$: $<0.3^{\circ}\text{C}$, All other: $<0.6^{\circ}\text{C}$
- Measure Method: RTD, and calibrate

Soil Conductivity (EC) Data

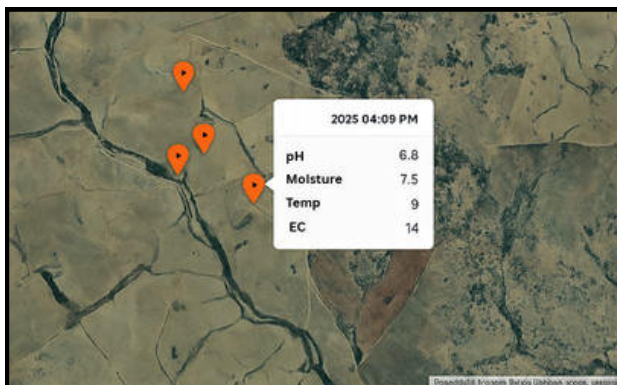
- Range: 0-20000 $\mu\text{S}/\text{cm}(25^{\circ}\text{C})(0-20.0\text{EC})$
- Resolution: 1 $\mu\text{S}/\text{cm}$
- Accuracy: 2%FS
- Measure Method: Conductivity, with temperature compensate

Soil pH Data

- Range: 0-20000 $\mu\text{S}/\text{cm}(25^{\circ}\text{C})(0-20.0\text{EC})$
- Resolution: 1 $\mu\text{S}/\text{cm}$
- Accuracy: 2%FS
- Measure Method: Conductivity, with temperature compensate



**Map your
soil data**





Whats Included



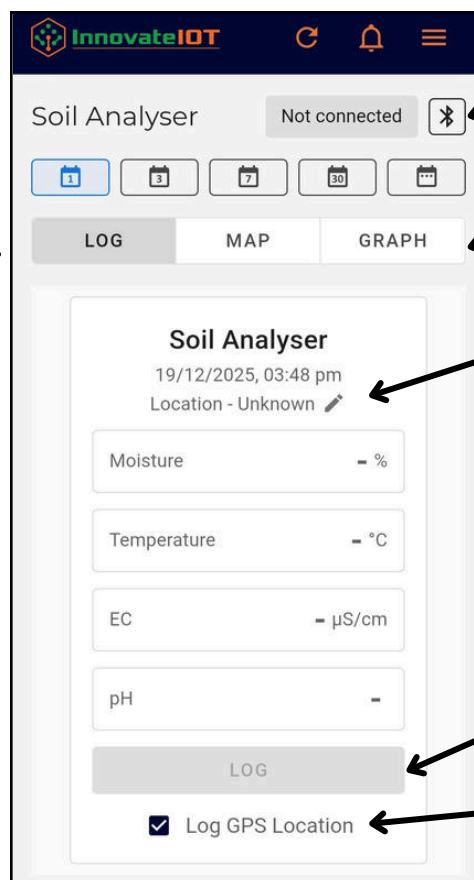
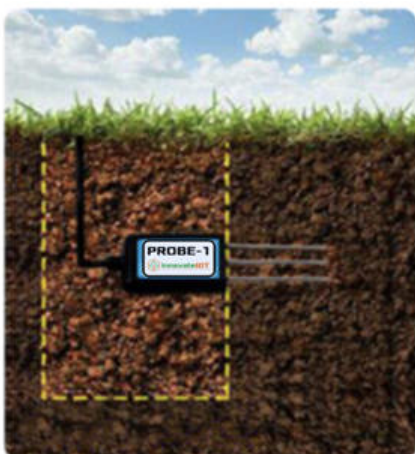
Get Started

Getting Started

- Login into Edge Systems App
- Click on the top right menu (three lines)
- Press 'Soil Analyser' to see this screen
- Follow the steps when pressing on the Bluetooth icon

Collect Soil Data

- Dig trench/hole to required depth
- Insert Soil Probe in undisturbed soil
- Leave probe for 1-2min for most accurate readings. Log data.
- Optional - Use provided beacon/cup to collect dirt.
 - Add distilled water, stir to create a slurry.
 - Insert probes for 1-2min for most accurate readings and log data.



Connect Via Bluetooth

See Data Logged

Set Field/Location Name

Press to Store Data

Store the GPS location of data collected

Insert Probes into any USB Port to begin use

Charging Port



pH Probe Maintenance

Getting Started

- If the device hasn't seen use in **7 days**, and the probes could be dry, leave the probe for 24 hours in pure/distilled water.
- Wash the probes with pure water in-between taking samples at multiple sites. This ensures the device does not have particles remaining from previous testing.

Taking pH Measurements in Detail

- Use Provided pre probe disperser to move rocks and hard objects out of the way.
- Insert probes into the ground carefully, avoiding rocks or other hard objects, as the probe electrode is fragile.
- If soil is dry. Pour/spray pure water onto the measurement site to make the soil moist. This provides the most accurate readings.

Maintenance

Probe Electrode

- After 3-6 months, the probe electrode should be checked for signs of corrosion. If corrosion is present, you may use high-grade sandpaper to polish it or put in 5% hydrochloric acid for several minutes. After the probe is cleaned, wash it in water. NOTE: Do not use sandpaper or acid on the soft reference probe.

Probe Reference

- While conducting multiple tests, keep the reference probe wet.

Short-term Storage

- Use the probe covers to ensure that the probes aren't damaged during short-term storage.

Long-term Storage

- Before storing the device for long periods of time, let the probe dry out.
- Before use, after long-term storage, soak the probes for 24 hours before reuse.



Contact us for any questions & support.

