



Yuktix GidaBits™ Soil Sensing

More Crop, Per Drop

Unlock the power of precision Agriculture with GidaBits Soil Sensing device. Get real time insights about your field soil moisture levels, enabling you to optimize the water used in irrigation. Maximize crop yield while conserving water with our innovative solution.

HOW DOES IT WORK?

Yuktix GidaBits sensing device collect real time Soil VWC (Volumetric Water content) and Soil temperature from the field using state of the art, research grade sensors. It then publishes daily advisory on your phone using sensors values, Weather Forecast, ETO (Evapotranspiration) and stage of your crop.



FEATURES



Save water used in irrigation



Increase crop yield



Real-time soil moisture monitoring



Crop based irrigation advisory



Integrated Weather Forecast



Best in class



Customizable alerts on the phone.



IP67 Rated waterproof device



Wireless



Solar powered with battery backup



Yuktix GidaBits™

Soil Sensor Node (Research Grade)

More Crop, Per Drop

SPECIFICATIONS

SOIL MOISTURE

Range

- a. Mineral Soil - 0.00=0.70 m³ / m³
- b. Soil Less media - 0.0 - 1.0 m³ / m³

Resolution: 0.001 m³ / m³

Accuracy: Generic Calibration - +/- 0.03 m³ / m³

SOIL TEMPERATURE

Range: -40 to+60 °C

Accuracy: +/- 1°C from -40 to 0 °C and
+/-0.5 °C from 0 to +60°C

Resolution: 0.1 °C

AIR TEMPERATURE

Range: -40 to 123.8 °C

Accuracy: +/- 0.3 °C

Resolution: 0.01 °C

Repeatability: +/- 0.1 °C

AIR HUMIDITY

Range: 0 to 100% RH

Accuracy: +/- 2%

Resolution: 0.7%

Repeatability: +/- 0.1 %

COMMUNICATION OPTION

4G / LoRa*

OTHER SPECIFICATIONS

- ♦ IP67 Enclosure to withstand harsh weather
- ♦ Solar Powered with a battery backup
- ♦ Solar panel - 6V, 5 Watt
- ♦ Easy to Install, Operate and Maintain
- ♦ Solar Radiation shield for proper air flow around the temperature & humidity sensors
- ♦ Compatible with Yuktix GidaBts cloud only
- ♦ Android Application - Local language support
- ♦ Alerts over Push notifications and SMS
- ♦ Best In class sensors
- ♦ 2 year back to bench warranty

Contact Us

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