

WAVELET SOIL KIT

SUMMARY

The Wavelet Soil Kit offers an end-to-end solution for real-time measurement of soil moisture and temperature. With changing weather patterns, it is essential to know how much moisture is lost during extreme weather conditions. High temperatures can lead to increased evapotranspiration and reduced crop yields.

The sensor is designed to remain highly accurate in all soil conditions, including mineral soils. The Kit is easy to install, simple to maintain, and provides a continuous data stream. This autonomous, remote data acquisition Kit delivers real-time soil moisture and temperature data from the field and is ideal for environmental research and agricultural applications.

FEATURES

- ▶ High Accuracy in All Soil Conditions
- ▶ Real-Time Alarms & Alerts
- ▶ Easy to Install
- ▶ Low-Power

APPLICATIONS

- ▶ Agricultural Monitoring
- ▶ Environmental Research
- ▶ Monitoring Environmental Conditions

SENSOR SPECIFICATIONS

	Range	Resolution	Accuracy
Volumetric Water Count	0 – 1 m ³ /m ³ (0 – 100% VWC)	0.0008 m ³ /m ³ (0.08% VWC) from 0 – 50% VWC	±0.03 m ³ /m ³ (±3% VWC)
Temperature	-40°C to 50°C (-40°F to 122°F)	0.1°C	±1°C
Dimensions (H x W x D)	3.2 cm x 10 cm x 0.7 cm (1 in. x 4 in. x 0.2 in.)		
Operating Temperature	-40°C to 60°C (-40°F to 140°F)		



Model No. WA2111-SE00056

Wavelet Soil Kit includes:

- Wavelet Device & Activator
- 4G (LTE), 3G, 2G Global SIM Card
- Internal Lithium Battery
- Installation Hardware
- External Power Connector
- **SE00056** Soil Moisture and Temperature Sensor, 5 m (16-ft) Cable