

Viridix

Sense - Analyze - Act



Product Overview

- Viridix is a professional precision irrigation decision support system that helps farmers irrigate in the most optimized way.
- Powered by our wireless Root-Sense sensor technology that collects highly accurate water potential data, in real time.
- The data is crunched by an algorithm that highlights every important event and displays them on the Viridix mobile app and website.
- The app and website provide the user with insights and alerts with action recommendations.

Root-Sense Water Potential Probe

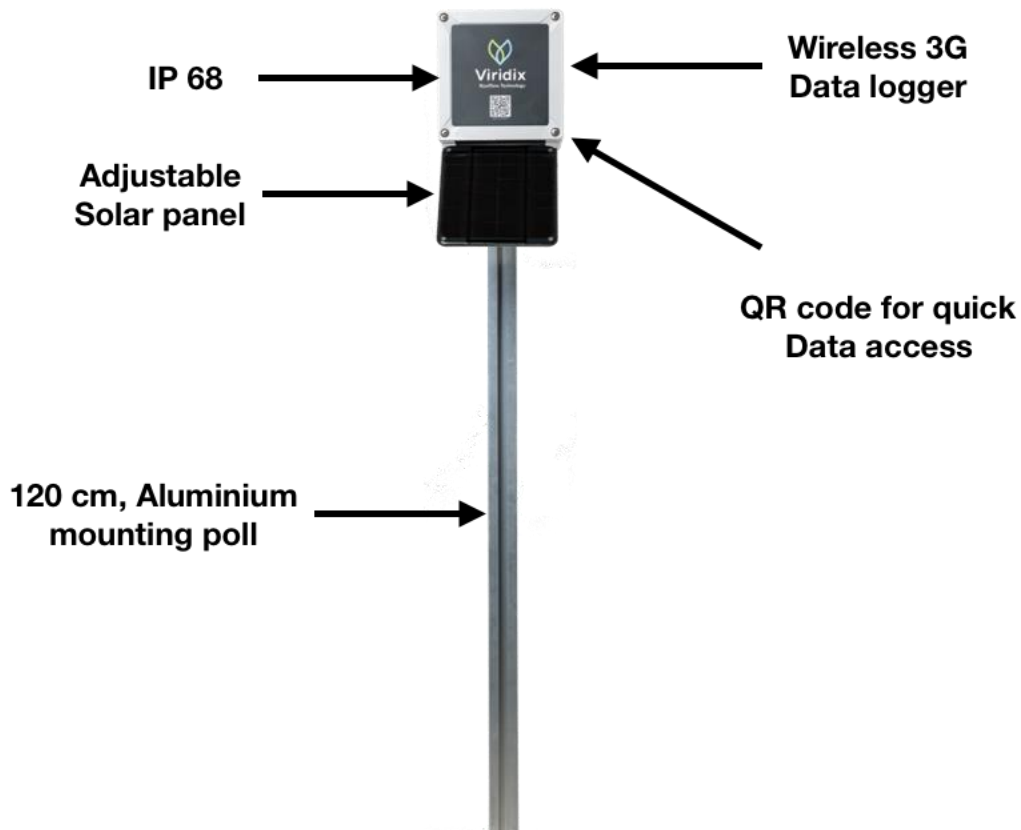


- High accuracy, low maintenance, water potential And ground temperature sensor.
- A single probe measures one depth and can be installed up to 200cm deep.
- Root-Sense is designed for multi depth sensing.
- The Root-Sense works in any soil
- No need for ongoing calibration or maintenance.
- The Root-Sense can be installed horizontally for optimum contact with the soil and roots or vertically like the Tensiometer

Technical Specifications

Water potential range	0 - 120 centibar
Ground temperature	✓
Number of water potential sensors	Up to 2
Maximum depth	Up to 200cm
All soil types	✓
All crop types	✓
All water types	✓
Operating Temperature	2-50°c
Probe cable length	3m
Accuracy	±0.5 centibar
Sensor Dimensions	120 x 28 x 28 mm
Resolution	0.1 cb
Sampling time	3 min

Online Data logger

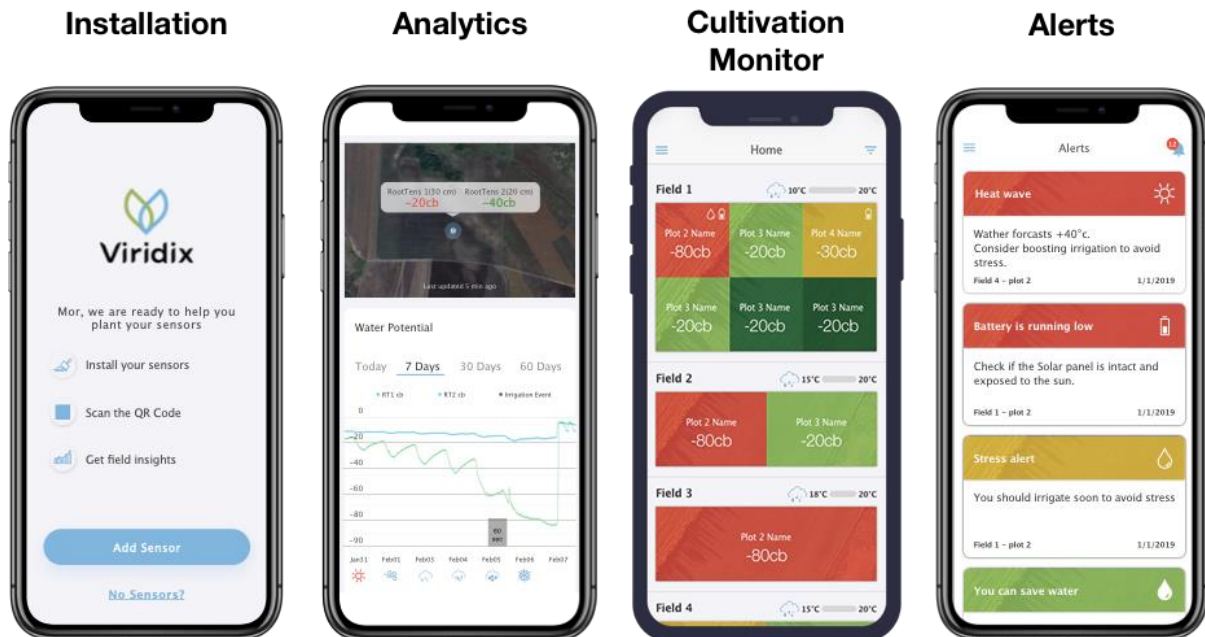


- Always online, cellular 3g/2g connected logger
- Agriculture grade robust IP68 data logger
- Internal 4400mAh battery works without sun for 6 months
- Adjustable 2w solar panel, 1h of sun per day will fully charge the battery
- 120cm Aluminum poll for easy and flexible installation
- QR code for quick data reading with mobile phone
- Mobile app for easy installation

Technical Specifications

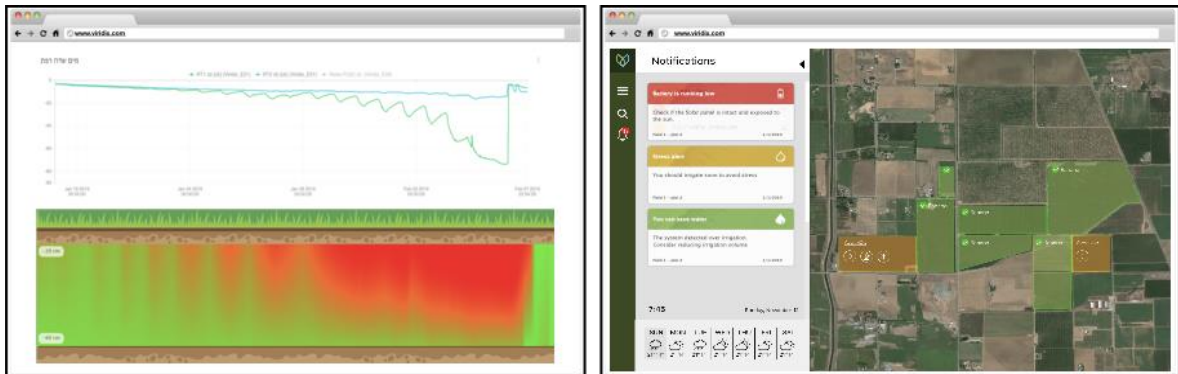
Data logger	✓
Communication	Cellular 3g/2g
Solar panel	2w
Operating Temperature	2-50°c
Poll height	120cm
Measurement Transmission Time	Real time experience
IP 68	✓
Bands	Band VIII (900 MHz) Band I (2100 MHz)
UE Class	Class A
Power Class	Class 3 (24 dBm) for all band
Internal battery	4400mAh

Mobile App



- The Viridix system analyses the sensors data and gives actionable insights that anyone can understand
- Mobile app for easy installation
- Receive Stress and weather alerts in Realtime
- Analyze irrigation data over time
- Monitor all fields in the organization

Web analytics



- Easy to use web user interface
- Soil water potential history view
- Soil multi Depth view, to understand the water potential at multiple depths
- Full satellite view of all your fields
- Historical graph