

# cropx

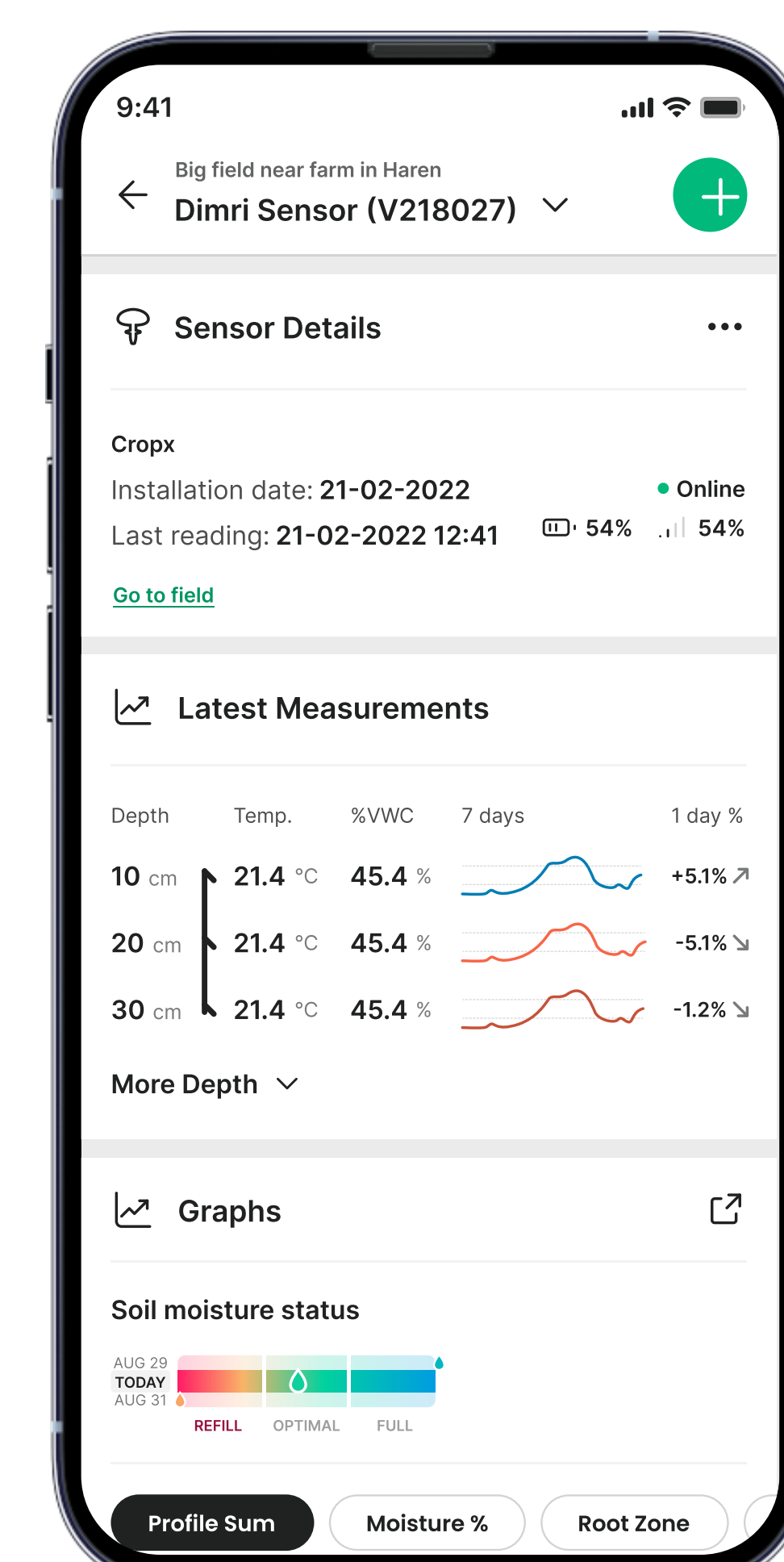
## UNLOCK PROACTIVE INSIGHTS

### CropX Soil Sensor

## Reliable, Accurate and Easy to Install

The new CropX soil sensor is a simple, innovative and cost-effective solution for irrigation management across any crop type or irrigation practice. Combined with an industry leading agronomic software platform, the CropX soil sensor is part of the most agronomic farm management solution on the market today.

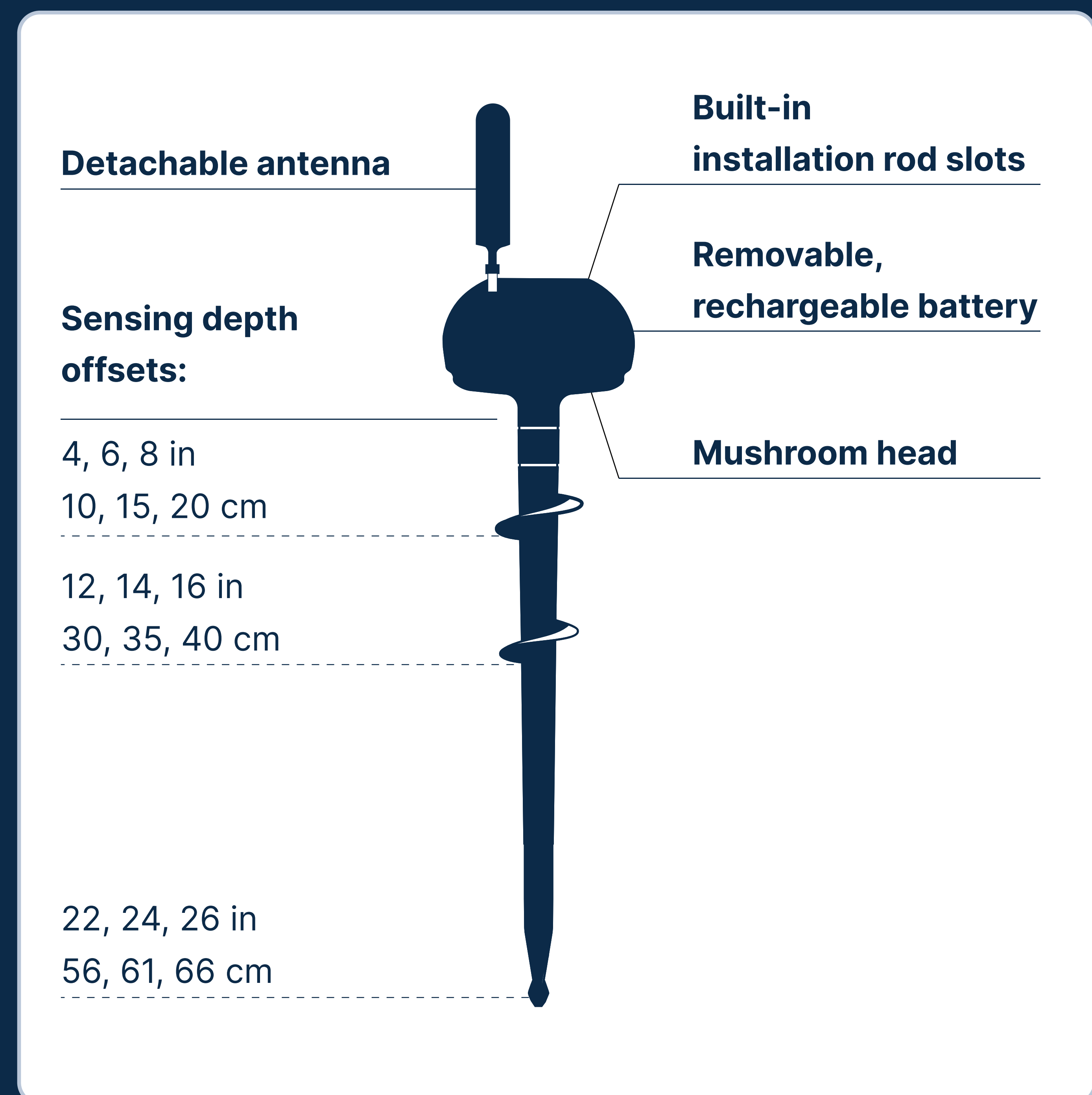
- **Fully enclosed all-in-one soil sensing to cloud solution** - built-in telemetry and power source eliminate the need for an extra device.
- The **patent-pending spiral design** improves the accuracy of soil data readings by preventing preferential water flow.
- A CropX sensor can be **installed by anyone quickly** - made even easier with a new tapered design, smaller spirals, and built-in installation rod slots.



## DESIGNED FOR FLEXIBILITY

CropX redesigned the soil sensor to make it even more reliable and customizable

- Measurements of VWC and EC at all 3 depths and temperature at the top two depths
- Virtual sensing - calculating moisture every 4" from 8" to 26", or every 10 cm from 20 cm to 66 cm
- Sensor depth offset – for installation at varying depths to match optimal crop rooting needs
- Automatic soil water budget line detection



## CropX soil sensor data collection

Intervals of data measurement and transmission to the CropX cloud can be remotely configured and adjusted to each crop's unique needs. The data is geo-tagged based on GPS coordinates creating geospatial time series for all measured data.

**Moisture:** Measurement of volumetric water content (VWC) values via ADR sensors. Moisture values are converted from electric impedance to VWC levels using a proprietary self-calibration method. Moisture values have an accuracy of +/- 0.5% across a range of 0-60% VWC.

**Temperatures:** Temperatures are measured with an accuracy of +/- 0.5°C (max) and an operating range of -10°C to +70°C. Each unit also measures the internal temperature of the unit above ground, which can help with increasing the precision of weather data.

**Electric Conductivity (EC):** Measurement in decisiemens/m, with an operating range of 0-5 decisiemens/m (bulk), representing the soil salinity level, which can be used to manage crop salinity regime

Learn more about CropX solutions today!

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