



METER



SOLYX Go

Push-and-read soil moisture sensor with CDX technology

THE FUTURE OF SOIL SURFACE MEASUREMENT STARTS HERE

Get more out of your soil surface measurements with the [CDX technology](#) inside our SOLYX Go push-and-read sensor. With the push of a button, the SOLYX Go measures soil moisture, temperature, bulk electrical conductivity, and pore water electrical conductivity. Designed and proven through rigorous testing, the SOLYX Go provides accurate, repeatable measurements from device to device, season after season, year after year.

That means the SOLYX Go you unbox today will provide consistent measurement accuracy today, tomorrow, and years into the future, and those measurements will agree with any other SOLYX Go used on your site.

DATA COLLECTION, SIMPLIFIED

Every measurement taken by the SOLYX Go is correlated with timestamps and GPS locations by the mobile device connected to the sensor. Review historical measurement data in [ZENTRA Cloud](#) to monitor the effectiveness of your irrigation strategy, or look at a daily map of measurements to easily identify portions of your field receiving too little—or too much—water.

FEATURES

- Measurements are taken instantly, so you can keep your day moving without waiting for a sensor reading
- Measurement accuracy is unaffected by soil salinity
- High measurement-to-measurement and sensor-to-sensor accuracy out of the box and over the life of the device
- Robust, stainless-steel needles resist corrosion, bending, and wear due to regular use
- Measurement data is automatically logged and stored in ZENTRA Cloud—no complicated spreadsheet management, no manual downloads from sensors, and simple sharing with administrators, grounds managers, clients and other stakeholders

SPECS

Volumetric Water Content Range	Mineral soil calibration: 0.00–0.72 m ³ /m ³ Real dielectric permittivity (ϵ_r): 1 (air) to 80 (water) Note: The VWV range is dependent on the media used for sensor calibration. A custom calibration will accommodate the necessary ranges for most substrates.
Volumetric Water Content Resolution	0.001 m ³ /m ³
Volumetric Water Content Accuracy	Generic calibration: ± 0.03 m ³ /m ³ typical in mineral soils Medium specific calibration: ± 0.01 m ³ /m ³ in any porous medium Real dielectric permittivity (ϵ_r): $\pm 1 \epsilon_r$ (unitless)
Dielectric Measurement Frequency	70 MHz
Temperature	Range: –40 °C to +60 °C (–40 °F to +140 °C) Resolution: 0.1 °C Accuracy: ± 0.03 °C from 0 to +60 °C (± 0.054 °F from 32 °F to 140 °F) Accuracy: ± 1 °C from –40 °C to 0 °C (± 1.8 °F from –40 °F to 32 °F) Note: Temperature measurement for applicable sensor may not be accurate if sensor is not fully immersed into the medium of interest due to longer equilibration time
Bulk Electrical Conductivity (EC)	Range: 0–20 dS/m (bulk) Resolution: 0.001 dS/m Accuracy: $\pm (5\% + 0.01 \text{ dS/m})$ from 0–10 dS/m Accuracy: $\pm 8\%$ from 10–20 dS/m
Dimensions	Length: 8.9 cm (3.50 in) Width: 2.5 cm (0.98 in) Height: 7.5 cm (2.96 in)
Needle Length	3.81 cm or 7.62 cm (1.5 in or 3.0 in)
Enclosure Rating	IP 67
Operating Temperature Range	Minimum: –40 °C (–40 °F) Typical: N/A Maximum: 60 °C (140 °F) Note: Sensors may be used at higher temperatures under certain conditions. Contact Customer Support for assistance.
Connector Types	USB-C (charging only)
Measurement Duration	Minimum: N/A Typical: 50 ms Maximum: N/A
Compliance	EM ISO/IEC 17050:2010 (CE Mark, Declaration of Conformity upon request) 2014/30/EU (EMC) via EN 61326:1-2013 2011/65/EU (RoHS) via EN 63000:2018 CISPR 11:2024 Group 2 Class a

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