

DELTA X-HS

Connected soil moisture sensor



Product description

The DELTA X-HS is a connected sensor equipped with an electronic probe.

This system **measures variations in soil moisture** with high accuracy and complete autonomy.



- ✓ Remote monitoring
- ✓ Continuous monitoring
- ✓ Wireless
- ✓ Battery life from 1 to 7 years*



Technical specifications

MAIN FEATURES

Measurement types	Soil moisture and temperature monitoring
Probe dimensions	18.2 cm x 3 cm x 1.2 cm
Cable length	10 m <i>*Cable extension available</i>
Battery life	From 1 to 7 years* II 3.6 V - 17 Ah battery <i>*Depending on the measurement interval and network used</i>
Communication	Bluetooth & LPWAN radio

ACCURACY AND PERFORMANCE

Measurement frequency	From 10 minutes to 24 hours
Measurement range	0 to 60% VWC (up to 100% with limited accuracy)
Accuracy	3% up to 50% VWC (Volumetric Water Content) <i>Moderate salinity and in mineral soil.</i>
Temperature accuracy	± 1 °C
Resolution	1 % (VWC) – 1 °C (temperature)

MEMORY AND STORAGE

Internal memory	250.000 measurements
Remote Storage	Radio data transmission via Sigfox LTE-M coming soon

OPERATING CONDITIONS

Operating Temperature	-20 °C to +60 °C
Protection	Housing protection — IP66 Probe protection — IP68

[Watch the video on clay shrink-swell](#)

NEED MORE INFORMATION?

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