



Key Features

- Measures soil moisture, temperature, conductivity and dielectric permittivity
- HydraMon app included
- Ergonomic handle
- Same patented soil sensor as the HydraProbe



The HydraGo is a probe with a detachable, ergonomic handle. With the robust, accurate and convenient HydraGo system you can easily perform soil measurements in all applications for which permanent soil monitoring is not necessary. You measure soil moisture, temperature, conductivity and dielectric permittivity with the HydraGo.

It measures soil moisture in all soils, within the range from completely dry to completely saturated, with an accuracy of ± 0.01 WFV. The temperature range is -10°C to 60°C , with a measuring accuracy of 0.3°C . The unit has a measuring range of real dielectric permittivity from 1 to 80 where 1 is air and 80 is distilled water. The accuracy is $\pm 0.5\%$ or ± 0.2 dielectric units.

The information is read out easily and quickly with the accompanying HydraMon app. This app can be downloaded for both android and apple devices. You can then send the data as a .CSV file by e-mail.

The HydraProbe Pro is the best choice if you want to measure soil moisture and temperature as well as salinity for a long period of time. For long-term measurements of only moisture and temperature the HydraProbe Standard is sufficient.



Specification	
Battery type	Rechargeable NiMH battery, 3.6 V / 300 Mah
Wireless protocol	Bluetooth
Housing	Anodized aluminium with an acetal endpiece
Operating temperature	-10°C to +65°C (14°F to 149°F)
Soil probe	Hydra Probe (radiometric dielectric coaxial impedance)
Soil tine assembly	Marine grade stainless steel
Parameters measured	Soil moisture, temperature, bulk electrical conductivity, dielectric permittivity's
Dimensions	Adjustable from 70 cm to 153 cm including both the pole and the sensor body Sensor body is 20 cm in length including tines, 7.5 cm in diameter at the top of the main body
Moisture	Range: From completely dry to fully saturated (from 0% to 100% of saturation) Accuracy: ± 0.01 WFV for most soils, $\pm \leq 0.03$ max for fine textured soils*
Bulk electrical conductivity	Range: 0 to 1.0 S/m $\pm 2.0\%$ or 0.02 S/m whichever is typically greater*
Real dielectric permittivity (isolated)	Range: 1 to 80 where 1 = air, 80 = distilled water Accuracy: $< \pm 0.5\%$ or ± 0.2 dielectric units
Temperature	Range: -10°C to +60° C Accuracy: $\pm 0.3^\circ$ C
Article number	142820

Accuracy may vary with some soil textures

