

HydraProbe Field Portable

Rugged, accurate and easy-to use portable soil data collection

Take soil measurements anywhere for those applications not requiring a permanent soil monitoring system. Your Apple or Android device communicates wirelessly with the HydraProbe using an ad-hoc wi-fi radio link.

Simply insert the probe into the soil, and tap on the “Sample” button in the HydraMon app. The HydraProbe Field Portable communicates wirelessly with your smartphone or tablet using an ad-hoc wi-fi network created by the device.

The app will display soil moisture content, temperature, conductivity, and dielectric permittivity on-screen for immediate viewing. The GPS location, date and time of each measurement is recorded along with the soil measurement data. All data can be saved and emailed as a .CSV file for analysis in Excel.

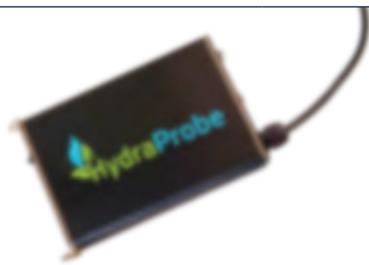
The HydraProbe Field Portable system features a rugged, anodized aluminum housing that contains a rechargeable battery and an LCD screen to indicate battery voltage as well as an on/off switch. The HydraProbe Field Portable comes with a carry strap for easy on-the-go measurements and a weatherproof connector between the battery pack and the sensor so that the sensor can be disconnected and left in the ground.



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TECHNICAL SPECIFICATIONS

Battery type	Rechargeable NiMH battery, 12 V / 2500 mAh
Wireless protocol	WiFi (802.11b)
Housing	Black anodized aluminum
Cable	22 gauge, UV resistant
Operating temperature	-14 °F to +149 °F (-10 °C to +65 °C)
Water resistance	Probe and cable tolerate continuous full immersion in liquid
Soil probe	Stevens HydraProbe (included) with weatherproof connector
Parameters measured	Soil moisture, temperature, bulk electrical conductivity, dielectric permittivities
Dimensions	6.75" L x 4" W x 2.5" D (17.1 cm L x 10.0 cm W x 6.4 cm D)
Weight	4.1 lbs (1.85 kg)
Part #	93633-003



Sample data from your wirelessly connected Apple or Android smartphone. The free HydraMon app logs and shows measurements instantly and will export it as a .CSV file.

Applications: agriculture, scientific research, watershed management, greenhouses, ground-truthing, soil quality assessments, soil surveys.

About Stevens Water

With a focus on simplicity, innovation and efficient solutions, Stevens Water are experts in hydrological and environmental monitoring. We've been providing complete water monitoring solutions since 1911.



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