

Series 300 Portable Soil Probes • Blue Brut • M-300 • T-300 • EC-300

The most versatile, rugged soil measuring instrument on the planet

The Aquaterr 300 series portable soil measurement instruments are widely used in rugged environments and are built to withstand industry abuse. The super strong 30-inch aircraft grade stainless steel probe houses the sensors that measure Temperature, Moisture and Salinity. A weatherproof cast aluminum enclosure houses the electronics and easy to read display.

Stainless Steel, 30 inch probe provides extreme range of depth allowing use in a multitude of soil measurement applications, strong enough for most compacted irrigated soils.

A rugged tool for professional use in both Agriculture and Turf. The 300 series probes are precision instruments built to withstand the toughest industry applications.

Field tested rock-stable electronics have been in use for years, working in rugged environments, holding long term calibration with reading accuracy within 1.5%.

Weatherproof Cast Aluminum Enclosure seals out weather conditions and protects large, easy to read digital display. Color coded scale indicates the ranges for different soils; clay, loam, and sand.

For deep measurements where soil conditions are very dry and compact or have not yet been irrigated, the Blue Brut auger tool can be used to take soil samples, or clear the way for deep soil measurements. This tool has a 36 inch probe made of chrome molybdenum steel that resists bending and twisting and is commonly used in soil sampling, root examination, and depth penetration for soil metering.



How it works

Moisture is measured by capacitance. Temperature by solid-state temperature sensor. Salinity by conductivity. Moisture calibration is easily done in the field as needed without special tools or reference materials. Once calibrated, insert probe in earth to desired depth and select the desired measurement

- Portable! Get Immediate Measurements in the Field
- Easy to use: Insert, Select, Read
- Multiple Probes in one: Moisture, Temperature, Salinity
- Standard in the industry
- Rugged, Reliable and Accurate results

Series 300 Portable Soil Probes

Specifications

	Blue Brut	M-300	T-300	EC-300
Probe Length	36 inches	30 inches	30 inches	30 inches
Probe Diameter	½ inch	½ inch	½ inch	½ inch
Probe Material	Chrome Moly Steel	Aircraft Grade Stainless Steel	Aircraft Grade Stainless Steel	Aircraft Grade Stainless Steel
Overall Length	36 inches	36 inches	36 inches	36 inches
Moisture Range	*n/a	0-100%	0-100%	0-100%
Temperature Range	n/a	n/a	40° - 150° F 4.44° - 65.55°C	40° - 150° F 4.44° - 65.55°C
Salinity Range	n/a	n/a	n/a	Up to 2000 µS (microSiemens)
Moisture Measurement	n/a	Capacitive Sensor	Capacitive Sensor	Capacitive Sensor
Temperature Measurement	n/a	n/a	Silicon junction sensor	Silicon junction sensor
Salinity Measurement	n/a	n/a	n/a	Inductive Sensor
Meter Accuracy	n/a	± 1.5%	± 1.5%	± 1.5%
Power Source*	n/a	9v battery	9v battery	9v battery
Battery Life	n/a	~3 months	~3 months	~3 months
Instrument Weight	1.8 lbs (.82 Kg)	3.4 lbs. (1.52 Kg)	3.4 lbs. (1.52 Kg)	3.6 lbs. (1.61 Kg)
Shipping Weight	10 lbs (4.48 Kg)**	Aprox 6 lbs (2.69 Kg)	Aprox 6 lbs (2.69 Kg)	Aprox 6 lbs (2.69 Kg)
Shipping Dimensions***	11 x 5 x 38 inches, 79.4 x 12.7 x 96.5 cm	11 x 5 x 38 inches, 79.4 x 12.7 x 96.5 cm	11 x 5 x 38 inches, 79.4 x 12.7 x 96.5 cm	11 x 5 x 38 inches, 79.4 x 12.7 x 96.5 cm
Warranty	90 days	90 days	90 days	90 days
Application	Core soil sampling for moisture monitoring and root examination, depth penetration of hard soil types.	Deficit irrigation scheduling, ET audit programs, irrigation systems monitoring.	Composting and early planting to keep temperature and moisture at optimum levels.	Guard against yield loss and poor plant quality. Track the salinity of water entering and leaving an area. Determine salt accumulation in the soil root zone

* Battery included

*n/a (not applicable)

** Sold in pack of 4 probes

*** International shipping dimensions determined at time of shipping

Options: EC-300 Extended Salinity range to 10,000 µS, Extended 12 month warranty (total 15 months), Aluminum Carrying case