

# AQUATERR

## Series 350 Portable Soil Probes •Blue Brut •M-350 •T-350 •EC-350

The most versatile, rugged soil-measuring instrument on the planet

The Aquaterr 350 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 T6 aluminum and stainless steel probe houses the sensors that measure Temperature, Moisture and Salinity. A weatherproof steel enclosure houses the electronics and easy to read display.

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

A rugged tools for professional use in both Agriculture and Turf. The 350 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 Steel 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 measurement where soil conditions are very dry and compact or have not yet been irrigated, the Blue Brut, soil auger tool can be used to take soil samples, or clear the way for deep soil measurements. This tool has a 36 inches 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.



M-350



T-350



EC-350

### 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.
- Multiple Probes in one: Moisture, Temperature, Salinity.
- Easy to use: Insert, Select, Read.
- Standard in the industry.
- Rugged, Reliable and Accurate results.

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### Specifications

	<b>Blue Brut</b>	<b>M-350</b>	<b>T-350</b>	<b>EC-350</b>
Probe Length	36 inches (91 cm)	30 inches (76 cm)	30 inches (76 cm)	30 inches (76 cm)
Probe Diameter	1 inch (2.54 cm)	1/2 inch (1.27 cm)	1/2 inch (1.27 cm)	1/2 inch (1.27 cm)
Probe Material	Chrome Moly Steel	Aircraft Grade Stainless Steel & Aluminum	Aircraft Grade Stainless Steel & Aluminum	Aircraft Grade Stainless Steel & Aluminum
Overall Length	36 inches (91 cm)	36 inches (91 cm)	36 inches (91 cm)	36 inches (91 cm)
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	Capacity Sensor	Capacity Sensor	Capacity 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 pounds (0.82 kg)	3.4 lbs (1.52 kg)	3.4 lbs (1.52 kg)	3.4 lbs (1.52 kg)
Shipping Weight	10 pounds (4.54 kg)	Approx 6 lbs. (2.69 kg)	Approx 6 lbs. (2.69 kg)	Approx 6 lbs. (2.69 kg)
Shipping Dimensions***	11 x 5 x 38 inches, 28 x 13 x 96.5 cm	11 x 5 x 38 inches, 28 x 13 x 96.5 cm	11 x 5 x 38 inches, 28 x 13 x 96.5 cm	11 x 5 x 38 inches, 28 x 13 x 96.5 cm
Warranty	5 years	5 years	5 years	5 years

\* Battery included.

\*\* Sold in pack of 4 probes.

\*\*\* International shipping dimensions determined at time of shipping.

**Options:** 42" long (107) cm Probes.

#### Aquaterr

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