

SRM100 Soil Resistivity and pH Meter

Capture Soil Resistivity and pH with a Single Probe

With the SRM100, it takes less than two minutes to simultaneously measure soil resistivity and pH

 Work faster – An SRM100 can curtail the time it takes to complete AC tower pylon inspections, certain ECDA surveys, or other assessments. That's because traditional readings with a four-pin process can take up to 20 minutes each whereas the SRM100 measures soil pH and resistivity simultaneously in less than two minutes.



- Improve accuracy The single-probe configuration eliminates errors due to miscalculations or incorrect probe spacing and depth.
- Lower costs The SRM100 helps you save on groundbed installations by enabling your crews to spend less time setting up measurement equipment and more time digging.



aiworldwide.com

SRM100 Soil Resistivity and pH Meter



Features

Three probe options

Each SRM100 comes with one or more probes. You can choose to include a bell hole probe, a subsurface probe, or both.

Protective case

No matter which probe configuration you choose, your SRM100 and probe(s) will be housed in a crush-proof, water-resistant case for protection from the elements in outdoor applications.

Digital circuitry

Digital circuitry allows for repeatable readings with improved accuracy.

LCD display

The two-line display is easy to read in most light conditions.

Accessible batteries

The battery is accessible via a door on the back of the unit for easy replacement.

Calibration

Ensure accurate, consistent measurements and avoid unscheduled downtime by calibrating your SRM100 every 12 months. Calibrations include:

- A calibration certificate that you can present to your auditor upon request
- Factory cleaned probe sensor

Specifications

Dimensions:	7.5 x 4.75 x 2.25 in.
Weight:	2.5 lbs. without probe(s)
Construction / Environmental Protection:	ABS high-impact plastic, corrosion proof, sealed to NEMA4/
Resistivity Range:	0 to 1.5M ohm-cm
Resistivity Accuracy:	± 5% of the reading
pH Range:	3 to 10 standard units
pH Accuracy:	± 0.5 standard units
Display:	Liquid crystal, 2 lines of 16 characters
Switches:	NEMA4/IP64 sealed toggle switches
Power Supply:	4 AA alkaline batteries (provide approximately 100 hours of continuous operation)
Ambient Operating Temperature/Humidity	-15 to 60° C 0 to 100% non-condensing
Probes	
Bell Hole Probe:	T-handle 12 inches by 5/8-inch diameter shaft of carbon steel construction with ¾-inch diameter measurement sensor for pH and resistivity; probe wire with coiled cable for direct connection to soil probe meter
Subsurface Probe:	T-handle 40 inches by 5/8-inch diameter shaft of carbon steel construction with ¾-inch diameter measurement sensor for pH and resistivity; probe with cradle for direct connection to soil meter
Protective Case	
Case:	Watertight, crush proof, and dust proof with easy-open, double-throw latches, open-cell core with solid-wall design, O-ring seal, fold-down handles, stainless steel hardware and

	O-ring seal, fold-down handles, stainless steel hardware an padlock protectors
imension:	Outside dimension 53 x 16 x 6 1/4 inches
id and Back:	Double-walled construction for added crush resistance

Dimension:

Outside dimension 53 x 16 x 6 ¼ inches

Lid and Back:

Double-walled construction for added crush resistance

Weight:

20 pounds without soil probe meter, bell hole probe, subsurface probe and accessories

Inside Case:

Fitted with 2.2 lb. density polyethylene foam | Foam insert is molded to fit the soil probe meter, bell hole and subsurface probes, maintenance kit and soil probe meter manual

03282018



aiworldwide.com

12211 Technology Blvd. Austin, TX 78727 • 800-229-3404 remote_monitoring_sales@aiworldwide.com