

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.



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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

Meter

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/IP64
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 3/4-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 3/4-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 padlock protectors
Dimension:	Outside dimension 53 x 16 x 6 1/4 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

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