

- Measure electrical ground rod and grid resistance
- Measure without disconnecting the circuit under test
- Measure resistance and continuity of grounding loops around pads and buildings
- Conduct field surveys
- Excellent for field communication towers



The PPM R1L-CL Clamp-on Ground Tester is a major breakthrough in traditional grounding resistance measurement. It embodies new technology now widely used for ground resistance measurement in the power, telecommunications, meteorology, oilfield and construction industries as well as for ground resistance measurement of industrial and electrical equipment installations.

When used in the measurement of grounding system loops, it does not require interruption of the existing the grounding system and eliminates the need for auxiliary electrodes. It is safe, fast and simple in use.

A simple squeeze of the side located trigger enables the R1L-CL to be clamped onto a ground conductor and measurements are displayed via the backlit 4 digit display. Overall range of measurement is from 0.01Ω to 1,200Ω.

As shown in the photo above, the instrument is complete with transit carrying case.

KEY INSTRUMENT FEATURES INCLUDE:

- **Data Hold Function allows operator to move instrument to position for convenient reading**
- **Large easy to read backlit LCD (1" digits)**
- **Automatic self-calibration at each power up**
- **Automatic power shut down if meter is inactive for 5 minutes**
- **Automatic range change over entire resistance range**
- **Out of Range indications for low and high resistances**



Ready Rugged Right

R1L-CL CLAMP-ON GROUND RESISTANCE Tester

SPECIFICATIONS

RESISTANCE RANGES, RESOLUTION AND ACCURACY

Full Scale	Resolution	Accuracy
0.01-0.099 Ω	.001 Ω	$\pm(1\%+.01\Omega)$
0.10-0.99 Ω	0.01 Ω	$\pm(1\%+.01\Omega)$
1.0-49.9 Ω	0.1 Ω	$\pm(1.5\%+0.1\Omega)$
50.0-99.5 Ω	0.5 Ω	$\pm(2\%+ 0.5\Omega)$
100-199 Ω	1 Ω	$\pm(3\%+1\Omega)$
200-395 Ω	5 Ω	$\pm(6\%+5\Omega)$
400-590 Ω	10 Ω	$\pm(10\%+10\Omega)$
600- 1000 Ω	20 Ω	$\pm(20\%+20\Omega)$
1000-1200 Ω	50 Ω	$\pm(25\%+50\Omega)$

Automatic range change

Operating Temperature: -10 to +55°C, -50 to +71°C non-operating

At least 8 hours of operation

Weight: 1000 grams

Calibration interval 2 years minimum

Warranty: 1 Year

Jaw accepts ground conductors up to 32 mm (1 ¼ ") in diameter

Double insulated

Measurement frequency > 1 KHz

Measurement response time 1 second

LCD Enunciators for:

Low Battery

Resistance measurement < 0.01 Ω

Resistance measurement > 1,200 Ω

Self calibration sequence

Accessories, Included:

Batteries: 4-AA Alkaline

Instruction manual

Calibration Verification Tool, (Allows user to verify calibration of the entire system including the clamp head)

Transit Case