

# Resistivity Meter Model 291

## P/N 0910310

The resistivity Meter Model 291 measures both surface resistivity and resistance to ground, allowing simple repeatable measurements of conductive, static dissipative and insulative surfaces.

### Specifications:

Range:  $10^3$  to  $10^{12} \Omega/\square$

Accuracy:  $\pm \frac{1}{2}$  decade on a logarithmic scale

Test Voltage:

Test Voltage	Range	Standard
10 V	$<10^3 - 10^5 \Omega$	IEC 61340-4-1
100 V	$<10^6 - 10^{12} \Omega$	IEC 61340-4-1

Probes: Internal parallel probe  
Jacks for external probes (internal probes are switched off when using external probes.)

Power Supply: Battery operated with 9V alkaline battery  
Complies with CE

Checking surface resistivity ( $\Omega/\square$ )

Hold the meter away from any surface and press the test button, the insulative red LED should light. Place the meter onto any surface that requires testing, again press the test button and hold. The LED that illuminates constantly is the decade measured.

<	< 1 k $\Omega$	Green LED
$10^3$	1 k $\Omega$	Green LED
$10^4$	10 k $\Omega$	Green LED
$10^5$	100k $\Omega$	Green LED
$10^6$	1 M $\Omega$	Yellow LED
$10^7$	10 M $\Omega$	Yellow LED
$10^8$	100 M $\Omega$	Yellow LED
$10^9$	1 G $\Omega$	Yellow LED
$10^{10}$	10 G $\Omega$	Yellow LED
$10^{11}$	100 G $\Omega$	Yellow LED
$10^{12}$	1 T $\Omega$	Red LED
>	insulative	Red LED

green = conductive    yellow = dissipative    red = insulative

Checking resistance to ground ( $\Omega$ ): When one of the sockets of the external probes is grounded the measured decade is the resistance to ground.