

Liquid/Powder Volume Resistivity Test Cell

M 828



Electrostatic
Instrumentation



The M 828 is the premier Resistivity Test Cell to use for measuring volume resistance and resistivity of liquids, powders, and small resin pellets directly in Ohms and Ohms-cm.

The M 828 is designed utilizing stainless steel electrodes, shielded housing, and Teflon® construction to ensure high quality, accurate measurements throughout the full range of resistance values from 1Ω to $10^{14}\Omega$.

Applications

- Volume resistance of liquids, powders, and small pellets.
- Measure conductive, dissipative, or insulative materials.

Key Features

- Stainless steel electrodes, shielded housing, and Teflon construction ensure accurate measurements from 1Ω to $10^{14}\Omega$.
- Easy direct measurement of Volume Resistivity using a simple X100 or X10 factor using the small or large test cell chamber.
- Stainless steel shell acts as both an electrostatic shield and provides containment of material overflow.
- Compatible with ETS M 871 Wide Range Resistance Meter or other appropriate meters.

D01964 Rev A

Questions? Here's how to contact our experts



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M 828 Test Cell

Liquid/Powder Volume Resistivity

Specifications

Calculate Volume Resistivity:

To determine the Volume Resistivity of a liquid or powder, just multiply the resistance value read from a Wide Range Resistance Meter (e.g. M 871 Wide Range Resistance Meter) by the appropriate multiplication factor:

Large Cell – x10
Small Cell – x100

Cell Dimensions:	Large Cell	Small Cell
Depth:	2.57cm	0.25cm
Area:	25.7cm ²	25.7cm ²

Measurement Range: 1 Ω to 10¹⁴ Ω .

Note: Check Resistance Meter specifications. Wide Range Resistance Meter utilized with the Test Cell may limit effective range of measurement.

Overall Dimensions:

Size: 3" (7.5cm)
Weight: 2.1 lbs (1kg)

Connections:

0.161" (4mm) banana jack inputs or cables.

Material:

Chambers: Teflon
Electrodes: Stainless Steel
Shielded Housing: Stainless Steel
O-Ring Gaskets Gasket: Viton, Size 34 and Size 36

Warranty: One (1) Year Parts & Labor

To ensure consistent and valid results annual calibration is required

Contact: service@ets2.com for assistance



Specifications subject to change without notice

