

LIQUID/POWDER VOLUME RESISTIVITY TEST CELLS

Model 828
828M

Test Cells to measure volume resistance and resistivity of liquids, powders and small resin pellets directly in Ohms and Ohms-cm. Model 828 includes test chambers for x10 and x100 volume resistivity calculations. Model 828M includes micrometer adjust to analyze powders under various levels of compression and provides correct thickness to calculate volume resistivity. Model 828L is an x1000 test cell for low viscosity liquids and fine powders.

Features:

- Single and dual chamber test cells
- Direct measurement of ρ_v
@ x10 & x100 R_m and @ x1000 R_m
- Shielded housings for high R_m
- Model 828M incorporates an adjustable electrode for varying compression of powders
- Stainless Steel and Teflon[®] construction
- Compatible with appropriate meters having 0.161" (4mm) banana jack inputs or cables



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electro-tech systems, inc.

www.electrotechsystems.com

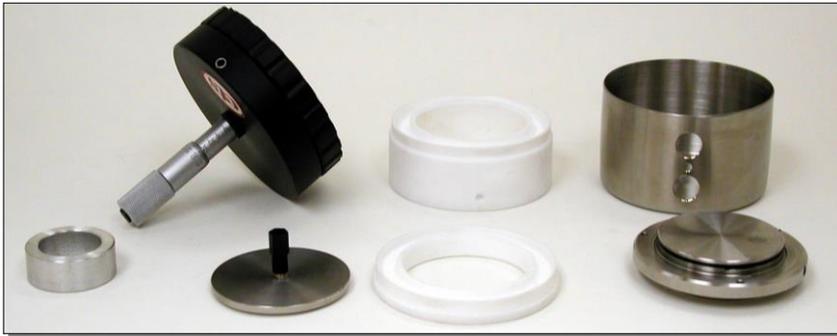
3101 Mt. Carmel Avenue, Glenside, PA 19038 • Tel: (215) 887-2196 • Fax: (215) 887-0131

Description:

Model 828: A dual chamber test cell for measuring the volume resistance of liquids, powders and small pellets. The chamber dimensions automatically calculate volume resistivity by multiplying the measured resistance by either x10 (large chamber) or x100 (small chamber). Sample size required is only 65.6 and 6.56cm³ for the large and small chambers respectively. The outer section of the cell incorporate a ¼" (6mm) wide overflow cavity to capture excess material. The stainless steel container provides both electrostatic shielding and containment of material overflow.

Model 828M: Adjusts compression of test material. As material thickness compresses the volume resistively multiplier increases. The Model 828M incorporates a 25mm micrometer assembly attached to the top electrode in order to precisely set the thickness of the material being measured. When set to 0 the two electrodes are in contact with and the thickness is 0. When the micrometer is set to 25 the thickness is 25mm (2.5cm) and the A/t calculation equals 10. Only the large test chamber is used for this application. Also includes standard Model 828 top electrode.

The 828 series of test cells can be used with any appropriate resistance meter having compatible standard 0.161" (4mm) banana plug connections.



Complete Model 828M

Specifications:

	Model 828	Model 828M	All Models
Cell Dimensions:	x10	x100	Material:
Diameter:	2.86cm	2.86cm	Cell: Teflon®
Depth:	2.57cm	0.25cm	Electrodes: Stainless Steel
Area:	25.7cm ²	25.7cm ²	Housing: Stainless Steel
Volume:	65.6cm ³	6.56cm ³	Gasket: BUNA, Size 034
Measurement range:	>10 ¹⁴ Ω	>10 ¹⁴ Ohms	Connectors: 0.161"(4mm)
Micrometer			Std. banana jacks
Adjustment range:		0-25mm	(Source, Sense & Ground)
Overall Dimensions:			Warranty: One (1) year
Size:	3.5" (9cm)	7" (18cm)	
Weight:	2.1 lbs (1kg)	2.5 lbs (1.2kg)	

Specifications subject to change without notice