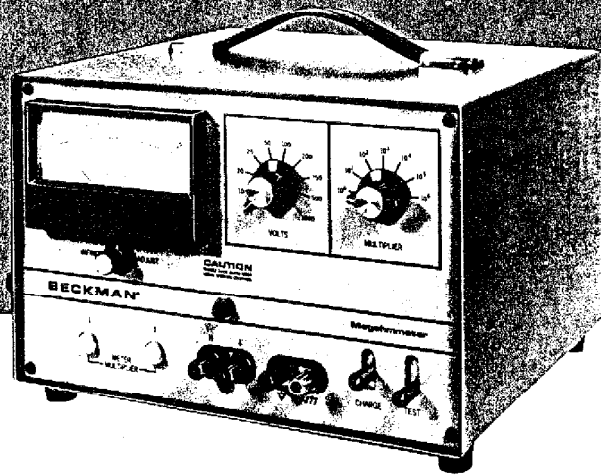




Low Cost Megohmmeter

Model L-10A



description

The new Beckman Industrial Model L-10A Megohmmeter is ideal for use whenever an easy-to-operate, low-cost megohmmeter is needed. Makes insulation measurements on wire and cable, transformers, chokes, connectors, diodes, transistors, piezoelectric elements, circuit breakers and many other components.

Also suited to measurement problems involving voltage and temperature coefficient of resistance and for measuring volume resistivity for a wide range of solid insulation materials.

The Model L-10A meets ASTM Specification D-257 and Federal Specification LP406 (Method 4041). The National Stock Number assigned to the L 10A is No. 1H6625-00-040-9678.

special features

The Model L-10A utilizes modern solid state circuitry for compactness and reliability. Extra-stiff power supply regulation, normally found only in more expensive instruments, neutralizes the effects of power line transients.

This megohmmeter is simple to operate since test voltages need not be calibrated when selected. Infinity adjustments are set only once before use.

Resistance ranges cover 5×10^4 to 5×10^{13} ohms in 7 ranges. For most ranges accuracy is $\pm 2\%$ of full scale (0.2 x meter reading, + 1)% of reading. This is far more accurate than comparable priced megohmmeters.

The Model L-10A features nine switch-selectable test voltages between 10 and 1000 VDC with an accuracy of $\pm 2\%$ over the operating temperature range. It also includes a rapid "charge/discharge"

feature which pre-charges the sample to eliminate meter "slam" . . . then discharges the sample at the end of the test.

specifications

RESISTANCE RANGES:

- 5×10^4 to 5×10^{13} in seven ranges
- 5×10^4 to 5×10^{12} at 10 to 100 VDC
- 5×10^9 to 5×10^{13} at 200, 250, 500 VDC
- 5×10^6 to 5×10^{13} at 1000 VDC

TEST VOLTAGES:

Nine switch-selectable voltages at 10, 20, 25, 50, 100, 200, 250, 500 and 1000 VDC. Fixed steps accurate to $\pm 2\%$.

ACCURACY:

For most ranges the accuracy of the Model L-10A is $\pm 2\%$ of full scale (0.2 x meter reading + 1)% of reading. There is an additional tolerance of $\pm 1\%$ of the 10^5 and $\pm 2\%$ on the 10^6 multiplier ranges.

POWER REQUIREMENTS:

120/240 VAC, 50/400 Hz, 34 Watts.

PHYSICAL SIZE AND WEIGHT:

7.25" high x 11.25" wide x 12" deep (184mm x 286mm x 305mm); instrument weight — 15 pounds (6.8kg); shipping weight — 18 pounds (8.2kg).

ACCESSORIES:

Test lead set part number 43081WE included.

Beckman Industrial™