

OPERATING INSTRUCTIONS

Capacitor Standard No. 83516-01

1. Purpose

The Capacitor Standard (83516-01) is a high-quality, precision capacitor that can be used as a laboratory standard. It also can be used as a circuit element in: tuned circuits, measuring circuits, and filter networks.

2. Description

The Capacitor Standard is completely enclosed in a modern, shock-resistant plastic case. Two versatile binding posts permit fast electrical connection to almost any type of connector. The capacitance, tolerance, and DC working voltage are printed on the case for quick reference.

3. Operation

Connections are made to the binding posts — polarity need not be considered. ***Always operate the Capacitor Standard within its ratings.***

4. Maintenance

The Capacitor Standard needs no special maintenance. If you should experience any difficulty with this apparatus, please contact Central Scientific Company, giving details of the problem. To ensure better service, please do not return any item to Central Scientific Company until we have sent you authorization.

5. Specifications

Capacitance, MFD	0.5
Capacitance Tolerance, percent	±0.25
Capacitance Stability, percent	±0.1
Operating Temperature Range, °C	-55 to +85
Power Factor at 1KC, percent	0.02
Dielectric Absorption, percent	0.01
Temperature Coefficient of Resistance, PPM/°C	100
Insulation Resistance at 25°C, MΩ/MFD	10 ⁷
DC Working Voltage, volts	400

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