

4-Terminal Variable Capacitance

TYPE VAC Series



VAC Series are 4-Terminal Capacitance Standards. Ten built-in capacitances and dissipation factors between 1pF and 1μF can be selected within the specifications shown below. OPEN·SHORT range is equipped as standard, correction can be made with cables connected. VAC Series can be used as a standard to calibrate LCR Meters as stability is excellent.

Features

- Up to 10 Capacitances/Dissipation Factors can be selected between 1 pF and 1μF.
- Direct connection to LCR Meter enables calibration at high frequency because of low dissipation due to cable connections
- Easy cable corrections as OPEN·SHORT range is equipped.
- Suitable for calibration standard because of excellent accuracy, temp. coefficient and stability.
- Easy to handle because of compact structure and light weight.

Specifications

Item/Model	TYPE VAC Series
Capacitance Range	1 pF ~ 1 μF freely selectable up to 10 values
Accuracy	±0.05% ~ ±1% (depending on selected capacitance Frequency 1kHz)
Dissipation Factor	Less Than 5×10^{-4} or arbitrary value of $1 \times 10^{-3} \sim$ when dissipation factor is selected (1kHz)
Temperature Coefficient	Less Than ±50 ppm/°C
Stability	±100 ppm/Year
Max.Applied Voltage/Current	Less Than 50 Vdc (15 Vac) / 1A
Dimension (W×D×H)mm	140mm×100mm×90mm
Weight	Approx.1 kg

- Specifications are subject to change without prior notice.
- Contact us for special and custom configurations which are available.