

Variable Capacitance with USB TYPE SDC5U/8020A Series



TYPE SDC5U



External Controller TYPE 8020A (option)

SDC5U is a 3-terminal max. 5-dial variable capacitance controllable manually and via USB. Capacitance is selectable arbitrary from 1pF to 10 μ F.

Features

- SDC5U has 3 terminals consisting of 2 BNC terminals and a GND terminal, which enables minute capacitance.
- Capacitance is selectable between 1pF and 9.999 μ F.
- Due to excellent accuracy, temperature coefficient and stability, SDC5U can be used as a calibration standard.
- Controllable manually or remotely via USB.
- Easy-to-use optional external controller is available.

Specifications

Item/Model	SDC5U
Capacitance Range	1pF ~ 9.999 μ F
Number of Dial	1 dial ~ 5 dial
Capacitance Range	1pF Range, 10pF Range, 100pF Range, 1000pF Range, 10nF Range, 100nF Range, 1 μ F Range, Max 5 Ranges selectable out of 7 Ranges
Capacitance Tolerance	1 pF ~ 90 pF: $\pm 1\%$ 100 pF or larger: $\pm 0.5\%$ (1 kHz)
Dissipation Factor	Less Than $\pm 0.5\%$ (1 kHz)
Temperature Coefficient	Less Than ± 50 ppm/ $^{\circ}$ C
Stability	Less Than $\pm 0.05\%$ /Year
Max. Applied Voltage	100 Vdc (30 Vac)
Power Requirement	Type 006P 9V Dry Battery 1 pc or from 9V AC Adapter
Connection Connector	2 Terminals BNC Jack Type
USB Connector	Type B
External Controller	8020A Series (Option)
Size (W×D×H)mm	SDC5U (main body): 150×80×140 External Controller: 176×116×75
Weight	SDC5U (main body): Approx.1.0 kg (including battery) External Controller: About 0.5 kg

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