



Capacitor Durability Test Switching Device

CTS 2107



- IEC 60384-14:2013
Figure B.1

— Features

- > 5.7-inch color touch screen front panel operation;
- > Automatic switching between power ports.

— Introduction

CTS 2107 is a capacitor durability testing switching device designed based on Figure B.1 of IEC 60384-14:2013, mainly used to test the durability of Class X capacitors.

During the experiment, 6 test capacitors can be tested simultaneously, and the equipment operation is simple and fast.

— Application Areas



General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	AC 220 V, $\pm 10\%$, 50 Hz ($\pm 5\%$)
Communication Method	Ethernet LAN, RJ45
Auxiliary Interface	D-sub 25P
Instrument Grounding Connection Method	Use a flat grounding wire
Chassis Size	19 inches/22 U
Instrument Weight	About 150 kg
Environmental Scope	15 °C ~ 35 °C
Pressure Range	86 kPa ~ 106 kPa
Humidity Range	45% ~ 75%

Technical Parameters

Compliant With Standards	IEC 60384-14:2013 Figure B.1
Test Voltage	1000 V AC/1.5 times 1500 V AC, 1.25 times 1250 V AC
Subject Capacitance (X-type Thin Film Capacitor)	$\geq 10 \mu\text{F}$ If the capacitance of the tested capacitor is large, please equip another resistor to prevent damage to the internal resistance of the device.
Internal Resistance	47 Ω /channel, 3000 W, total current capacity of 100 A
Testing Time	T1: Can be set (setting range 2 s~30 s) T2= $t_4+0.1$ s, 0.1 s error range: 10 ms~200 ms T3: Can be set (setting range 2 s~30 s) T4: Switching action time, default 100 ms
Test Frequency	1~ 1000

Standard Accessories

Test wires, Power lines, Grounding Wires, Fuses (spare parts), Instructions, and Factory Reports.

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