Capacitor Discharge Tester

CDT-240 V2

FAST ACCURATE FLEXIBLE

CAPACITOR DISCHARGE TESTER [CDT]

Accurate test results within seconds

Designed with presets to implement the plug discharge test described in IEC 61010, 60065 and 60335

Meets or exceeds accuracy specifications of CTL DSH 251e

Easy to configure one button test

Features

- Accurate
- Disconnects input test voltage at positive or negative peak
- Microcontroller Technology, one button test, easy to setup, LCD Display indicate test result
- Maximum Rated Test Current 8A; 15A optional
- CBX Built in for functionality test.
- Ergonomically designed for safety, speed and efficiency
- Designed for product development, production and laboratory use
- Rugged construction that can withstand a 6” drop with no damage
- Cables, manual and calibration certificate included
- One year warranty

Specifications

TESTING CIRCUITRY	
Minimum / Maximum Test Voltage	90Vrms min/ 270Vrms max
Maximum Test Current	8 A, 15A available when order extra option PN: 00-CDT-15A
Fuse	10A, 250V, time delay, 1-¼" x ¼" or 20A 250V, time delay, 1-¼" x ¼" with option 00-CDT-15A
Probe Impedance	> 100 MΩ, < 25pF
AC Peak Detection Accuracy	EUT disconnect within 5% of supply voltage peak
Test Time Range	0.50 – 10.0 Seconds
Voltage Setting Range/ Measurement Range	+/-30 to 388V
Voltage Setting Resolution	1V
Test Time Accuracy	+/- 1% for times ≥ 1 second, +/- 10ms for < 1 second.
Voltage Meter Accuracy	+/- 1.5% of instrument measuring range; +/- 2% +/- 0.8V up to 381Vpeak (See Appendix E for accuracy information with respect to voltage readings)
Frequency	50-60Hz
ELECTRICAL	
Rated Input Voltage	100-240 V
Frequency	50/60 Hz
Fuse	2 A, 250V, time delay, 5 x 20 mm
ENVIRONMENTAL	
Operation Temperature	15 - 40 °C
Relative Humidity Range	0 – 90 % Non-Condensing
SAFETY	
(XI) Safety Interlock	2 pin terminal block on rear panel, shorted for tester operation
GENERAL	
Dimensions	9-1/4” Wide x 4-3/4” High x 10” Deep
Weight	5.8 lbs.
BNC OUTPUT	Referenced to ground, 100:1 of measured voltage (L-N, L-G, N-G) +/-2%

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