



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

Authorized Distributor:



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 Tel: +44 (0) 161 871 7450
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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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