



4500D

Manual Dielectric Withstand Tester

The 4500D is an entry level manual Dielectric Withstand tester with 500VA AC hipot test capability. It features full microprocessor control and can be used as a bench-top instrument or controlled through basic PLC Remote Control. It can also be interconnected to the HYAMP® III family of Ground Bond testers to form a complete test system with a single DUT connection. It is the perfect solution for manual 500VA AC Hipot testing applications.

Model 4500D - Manual Dielectric Withstand Tester

Features and Benefits

- Maximum output current of 100 milliamps AC
- Front panel LCD displays test parameters and results
- Monitoring of current down to 10 microamps AC
- Electronic ramp and dwell settings
- Test setup memories
- PLC remote inputs and outputs
- Built-in remote interlock
- Built-in continuity test mode
- Low-current sense
- Adapter box for products terminated in a line cord
- Simple menu driven parameters
- Meets 200 mA short circuit requirements

Input Specifications

Voltage	115/230 VAC ± 10%, user selection
Frequency	50/60 Hz ± 5%
Fuse	115 VAC, 230 VAC - 15 A fast acting 250 VAC

Dielectric Withstand Test Mode

Output	Rating: AC 0 - 5000 V, 10 V / step, 100 mA Regulation: ±(1% of output + 5 V)
Output Frequency	50/60 Hz selectable
Wave Form	Sinewave, Crest Factor = 1.3 - 1.5 <2% THD
Dwell Time Setting	0 and 0.2 - 999.9 seconds, 0.1 second / step 0 ramp setting = 0.1 seconds fixed ramp
Failure Setting	High limit: 0.00 - 99.99 mA, 0.01 mA / step Low limit: 0.00 - 99.99 mA, 0.01 mA / step (0 = Off) Accuracy: ±(2% of setting + 0.02 mA)
Metering	Volumeter (4 digits) Range: AC 0.00 - 5.00 KV Resolution: 0.01 KV Accuracy: ±(2% of reading + 10 V) Ammeter (4 digits) Range: AC 0.00 - 99.99 mA Resolution: 0.01 mA Accuracy: ±(2% of reading + 0.02 mA)

Dielectric Withstand Test Mode (continued)

Timer Display	Range: 0.0 - 999.9 seconds Resolution: 0.1 mA Accuracy: ±(0.1% of reading + 0.5 sec)
Ground Continuity Check	Current: DC 0.1 A ± 0/0.1 A, fixed Max. ground resistance: 1 Ω ± 0.1 Ω, fixed

General Specifications

Mechanical	Tilt-up front feet
Dimensions	17 x 5.8 x 12 in. (W x H x D) (432 x 147 x 305 mm)
Weight	56.70 lbs. (25.92 kgs)
Program Memory	5 Memories
Remote Control and Signal Output	The following input and output signals are provided through two 9 pin D type connectors; Inputs: Test, Reset, Interlock Outputs: Pass, Fail, Test in Process

Specifications subject to change without notice.



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