

HYPOTULTRA® II

10KV AC & 12KV DC Automated Electrical Safety Compliance Analyzers



- **10KV AC (7510DT) and 12KV DC (7512DT)**
- **High Output Voltage for Cable, Wire, Harness and Electrical Component Testing**

Features and Benefits

FEATURE RS-232 interface standard

BENEFIT All instrument functions can be programmed over the interface which makes the instrument adaptable to any type of automated production environment.

FEATURE Single 2 x 20 LCD display

BENEFIT This single easy-to-view and simple-to-interpret LCD display provides the operator with a clear indication of all test results and setup parameters.

FEATURE Easy-to-use setup parameter adjustments

BENEFIT The operator is provided with a safe and easy way to set trip currents and output voltages using a simple menu driven program. This allows all parameters to be set without high voltage activation.

FEATURE Storage of up to 50 setups

BENEFIT A real benefit for manufacturers that test different products. Each memory can be used to store different test parameters.

FEATURE Exclusive CHARGE LO and RAMP HI testing*

BENEFIT The patented RAMP HI feature allows the user to set a higher trip rate during the ramp cycle to allow for quick charging of the product without nuisance tripping thereby increasing throughput when testing with DC. The CHARGE LO feature provides the user with the ability to ensure that the device under test is connected. *Model 7512DT only.

FEATURE Programmable security password system

BENEFIT Avoids tampering with settings by only allowing authorized personnel with a user programmable security password to change test parameters.

FEATURE Line and Load regulation

BENEFIT Maintains the output voltage to within 1% of setting even if the load or the line voltage varies. This ensures that the test results remain consistent and within safety agency requirements.

FEATURE PLC remote inputs & outputs

BENEFIT This allows the instruments to be remotely set up through simple PLC control.

FEATURE Digitally controlled arc detection system

BENEFIT Allows the operator to select whether low level arcs should be detected and provides the operator with the ability to digitally select and program multiple sensitivity levels or to turn off arc detection independently of breakdown indication.

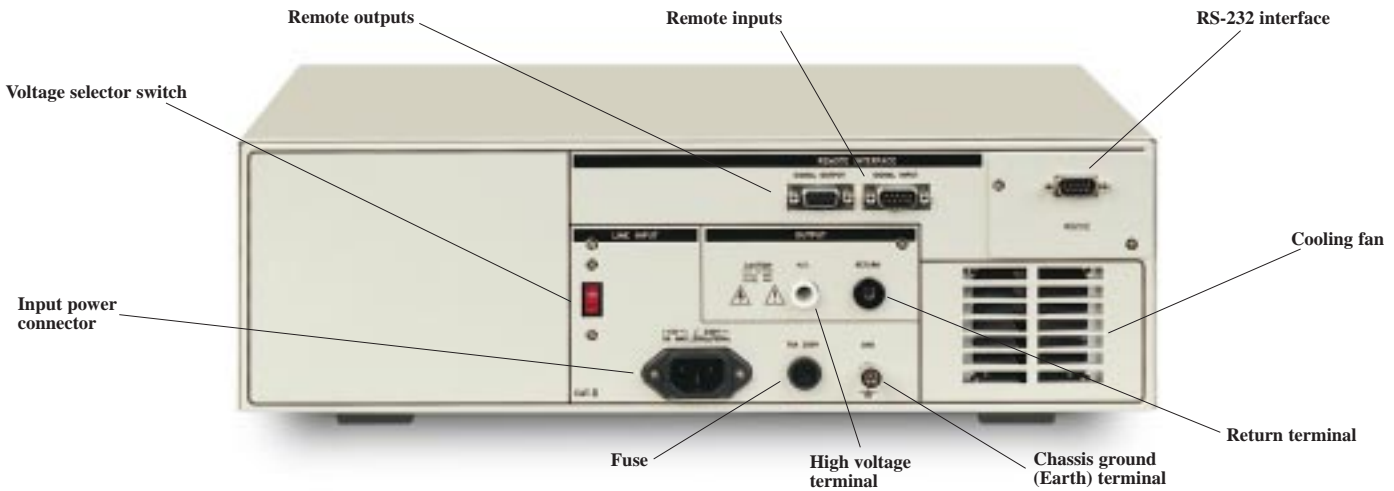


For additional information contact us at:

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E-mail: info@asresearch.com

www.asresearch.com



7510DT and 7512DT Options: HPU20-04 Grounded return HPU20-08 Printer port

Model 7510DT and 7512DT Specifications

INPUT SPECIFICATIONS	
VOLTAGE	115/230 VAC ±10%, Single Phase, User selectable
FREQUENCY	47 - 63Hz
FUSE	5 Amp 250V Slo-Blo

DIELECTRIC WITHSTAND TEST MODE	
OUTPUT RATING	10KV @ 10mA (7510DT) 12KV DC @ 5mA (7512DT)
OUTPUT ADJUSTMENT	Range: 0 - 10KV AC (7510DT) 0 - 12KV DC (7512DT) Resolution: 10 volt/steps Accuracy: ± (2% of Setting + 10 volts)
RAMP HI MODEL 7512DT	Range: 10mA peak maximum, ON/OFF selectable
CHARGE LO MODEL 7512DT	Range: 0.0 - 350.0µA or auto set
HI-LIMIT (AC) MODEL 7510DT	Range: 0.00 - 10.00mA Resolution: 0.01mA/steps Accuracy: ± (2% of Setting + 2 counts)
HI-LIMIT (DC) MODEL 7512DT	Range: 0 - 5000µA Resolution: 1µA/steps Accuracy: ± (2% of Setting + 2 counts)
LO-LIMIT (AC) MODEL 7510DT	Range: 0.000 - 9.999mA Resolution: 0.001mA/steps Accuracy: ± (2% of setting + 2 counts)
LO-LIMIT (DC) MODEL 7512DT	Range: 0.0 - 999.9µA Resolution: 0.1µA/steps Accuracy: ± (2% of setting + 2 counts)
ARC DETECTION	Range: 1 - 9 (7510DT) 1 - 8 (7512DT)
FAILURE DETECTOR	Audible and Visual

DIELECTRIC WITHSTAND TEST MODE CONT.	
OUTPUT FREQUENCY MODEL 7510DT	Range: 50/60Hz, User Selectable Accuracy: ± 1%
OUTPUT REGULATION	± (1% of setting + 5 volts) from no load to full load
DWELL TIMER	Range: 0, 0.3 - 999.9 sec. (0 = Constant) Resolution: 0.1 sec. increments Accuracy: ± (0.1% + 0.05 sec.)
RAMP TIMER	Range: AC 0.1 - 999.9 sec. (7510DT) DC 0.4 - 999.9 sec. (7512DT) Resolution: 0.1 sec. increments Accuracy: ± (0.1% + 0.05 sec.)

GENERAL SPECIFICATIONS	
PLC REMOTE CONTROL	1. RS-232 control & monitoring of all functions. 2. Basic remote control: Input - Test, Reset, Recall memory #1, #2, & #3 Output - Pass, Fail, Test-in-Process
MEMORY	Stores up to 50 different test programs.
SECURITY	Programmable password lockout capability to avoid unauthorized access to test setup program.
LCD CONTRAST SETTING	9 ranges set by numeric keys on the front panel.
BUZZER VOLUME SETTING	10 ranges set by numeric keys on the front panel.
CALIBRATION	Software and adjustments are made through front panel.
MECHANICAL	Bench or rack mount with tilt up front feet.
DIMENSIONS	(WxHxD) 17x5.8x12in. (432x147x305mm)
WEIGHT	42 lbs. (19 Kgs)

For additional information, contact us at:
Tel: 1-800-858-TEST(8378)

Visit our website at:
www.asresearch.com
and ORDER ON-LINE!



**Instruments for
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