

# LINE DROP-OUT TESTER

## LDT2000

- 2000VA load-carrying capacity, 30A
- Compliance to IEC 1000 - 4 - 11
- High stability and accuracy
- Automatic adjustment to line
- Synchronization for scope
- Compact size, light weight
- Digital read-outs for phase delay and drop-out time
- Very competitive price



The LDT2000 is an electronic switch located between the input AC line and load, designed to test various types of electronic equipment for short voltage interruption immunity. The unit can be used to design and develop power supplies, control and alarm systems, communication devices, UPS systems and computers. It is also suitable for measuring power supply hold-up time.

The unit uses micro-controller technology and generates periodic or single interruptions on the mains voltage. The drop-out time adjustment range is from 0 to 25 periods of AC input voltage, in 0.1 period steps. It accepts input voltages of 115VAC at 60 and 400Hz and 230VAC at 50Hz, with automatic set-up at turn-on.

The interruptions are synchronized with zero-crossing and can be set with the phase-delay adjustment push-buttons in 3 degree steps from 0 to 180 electrical degrees. Crystal controlled for accuracy, the desired phase delay and drop-out time are indicated by 3-digit LEDs. The unit has two isolated signals, one which allows for synchronization to a scope, the other for monitoring output voltage.

### SPECIFICATIONS

<b>Input Voltage</b> 115VAC, 60Hz or 230VAC, 50Hz. or 115VAC, 400Hz	<b>Output Current</b> 15A rms continuous 30A rms for 1 min.	<b>Drop-out Time Adjustment Range</b> 0 ... 25 periods of input AC voltage in 0.1 period steps	<b>Monitoring</b> Synchronization Output Voltage (10:1)
<b>Input Protection</b> Thermal fuse	<b>Phase Delay Adjustment Range</b> 0 ... 180 electrical degrees (0...360 el. deg. optional) in 3 degree steps	<b>Drop-Out Time Stability</b> $\pm 0.1\%$	<b>Connections</b> Input: IEC inlet connector Output: Standard AC receptacle
<b>Isolation</b> 2250VDC input to chassis	<b>Phase Delay Accuracy</b> $\pm 1$ el. deg.	<b>Scope Synchronization</b> Pulse amplitude: 20V Pulse duration: 20us	<b>Dimensions</b> 2U(3.5") x 19" x 6.2"
			<b>Weight</b> 6lbs

Warranty: Twelve months subject to application within good engineering practice  
Enhancements to these general specifications and customizing can be accommodated upon request.  
Designed to meet common approval requirements. Specifications subject to change.

Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard. ABSOPULSE is a BABT-approved Facility

**ABSOPULSE**  
ELECTRONICS LTD.

110 Walgreen Rd. Carp. Ontario. K0A 1L0. Canada.  
Tel: (613) 836-3511 Fax: (613) 836-7488  
E-mail: [absopulse@absopulse.com](mailto:absopulse@absopulse.com)  
Visit us at [www.absopulse.com](http://www.absopulse.com)