

AWTS ELM 97P-002-10001-01



Accurate Breaker Overload Testing Anytime, Anywhere!

- ◆ Automated Circuit Breaker Overload Testing
- ◆ Rugged Chassis, MIL-PRF-28800F Qualified
- ◆ Fully Programmable Stimulus System up to 100 Amps DC
- ◆ 96 Test Channels
- ◆ Front Panel Digital Ammeter Display
- ◆ Accurate Circuit Breaker Trip Time Measurement
- ◆ Heavy-Duty MIL Type Connector Interface

Traditionally, in-line circuit breakers have only been tested for mechanical functionality (make and break circuits). The true job of a circuit breaker is to react when unsafe current is present in a circuit. This is where the External Load Module (ELM) comes in.

As an accessory to the Automatic Wire Test Set (AWTS) Analyzers, the ELM expands the basic AWTS System capabilities to include high current overload testing of thermal circuit breakers. The ELM is fully compatible with all configurations of AWTS Analyzers (100000-02 and 100000-03).

Instructions listed in NAVAIR 17-15W-1, USAF T.O. 33D7-28-34-1



341 S. Maple Street, Corona, CA 92878
Tel: (951) 371-8008 • Fax: (951) 371-8022
E-mail: sales@eclipse.org



SYSTEM SPECIFICATIONS

AWTS ELM, P/N: 97P-002-10001-01
NSN: 4920-01-573-4524

FEATURES

Measurement System

Voltage Stimulus	5VDC
Current Stimulus	0.0 to 100.0 Amps DC programmable
Current Measurement	0.0 to 100.0 Amps DC
Event Timing (Breaker Trip Time)	0 to 8100 Seconds (>2 Hours)

Switching Interface

Test Points	96 Channels
Max Current Per Channel	20 Amps DC (Parallel multiple channels for higher output)
Interface Connector	Military Type D38999 Circular Connector

Standard Software

- ELM Utilities (used with the ELITE Operating System)
- CBATFG (Circuit Breaker Automatic Test File Generator)
 - Menu-Driven Interface
 - ELM Verify (Diagnostics)
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Operating Conditions

Relative Humidity - 0-100%

**per MIL-PRF-28800F, Class 2*

Operating Temperature - 14°-131° F

**per MIL-PRF-28800F, Class 2*

Functional Shock - 30G

**per MIL-PRF-28800F, Class 2*

Salt Exposure

**per MIL-PRF-28800F, Class 2*

Vibration Tested

**per MIL-PRF-28800F, Class 2*

Loose Cargo Bounce

**per MIL-PRF-28800F, Class 2*

Dust Resistance

**per MIL-PRF-28800F, Class 1*

Contact Eclipse for complete listing

Physical Characteristics

Input Power	115/230 VAC (Auto-ranging), 50-400 Hz
Physical Dimensions	14"H x 27.5"D x 21" W, @ 95 lbs.
Chassis	Rugged Shock Mount Transit Case (MIL-DTL-28800 Qualified)
