

AWTS 100000-02



**Mobile Cart Sold Separately*

Accurate Wiring and Component Analysis Anytime, Anywhere!

- ◆ Portable Environmentally Sealed Packaging
- ◆ MIL-STD-810G, MIL-STD-461F, MIL-PRF-28800F Qualified
- ◆ Fully Programmable Measurement System up to 500 VDC
- ◆ 1152 Test Points with 256 Random Access (RAX) Points in Base Configuration
- ◆ Expandable to over 15,000 Test Points
- ◆ Embedded Wire Mapping and Self Learn Capability for Circuits

Automatic Wire Test Set (AWTS) analyzers are DOD approved common support test sets for use at all levels of maintenance on all platforms. From established depots to remote deployments, this flexibility enables maintainers to choose where best to perform service and repair actions.

The AWTS -02 configuration (P/N: 100000-02) is focused on supporting harness and wire system maintenance by maximizing the available test points and minimizing system size. Combined with RAX Energization, systems that include embedded components (relays, data buss, indicators, etc.) can be tackled with ease.

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



SYSTEM SPECIFICATIONS

AWTS, P/N: 100000-02
NSN: 4920-01-528-5517

FEATURES

Measurement System

Voltage Measurement Stimulus	0.25 to 500 VDC (-0.25 to -500 VDC)
Current Measurement Stimulus	0.005 to 1.0 Amps (-0.005 to -1 Amps)
Resistance Measurement	0 to 1000M Ohms
	Diode Forward Voltage: 0-25 VDC
VI Measurement	Diode Leakage: 0-15 mA
	Current Drain: 0-25 VDC
	Zener Diode: 0-500 VDC
DC HIPOT Measurement	0.5mA to 2.5mA (100 to 500 VDC)
DC Voltage Measurement	-200 to 200 VDC (up to 500 VDC non switching)
AC Voltage Measurement	0.0 to 225 VAC (up to 350 VAC non-switching)
Capacitance Measurement	0 to 100 µF (extended ranges available)

Switching/Energization System

Test Address Points	1152
RAX Energization Points	256 (4 Buses)
Voltage Energization	0-40 VDC @ 3 A (2 channels)

Operating Conditions

Relative Humidity - 0-100% <i>*per MIL-PRF-28800F, Class 2</i>	Vibration Tested <i>*per MIL-PRF-28800F, Class 2</i>
Operating Temperature - 14°-131° F <i>*per MIL-PRF-28800F, Class 2</i>	Loose Cargo Bounce <i>*per MIL-PRF-28800F, Class 2</i>
Functional Shock - 30G <i>*per MIL-PRF-28800F, Class 2</i>	Explosive Atmosphere <i>*per MIL-PRF-28800F, Class 1</i>
Salt Exposure <i>*per MIL-PRF-28800F, Class 2</i>	Dust Resistance <i>*per MIL-PRF-28800F, Class 1</i>

Contact Eclipse for complete listing

Physical Characteristics

Input Power	115 / 230 VAC (auto-ranging), 50-400 Hz
Physical Dimensions (TCU)	14"H x 27.5"D x 14.5"W, @ 58 lbs.
Physical Dimensions (SM)	14"H x 27.5"D x 14.5"W, @ 61 lbs.
Physical Dimensions (CPU w/Case)	9"H x 24.5"L x 19.5"W, @ 29 lbs.
