



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*
- ◆ *512 Test Points with 512 Random Access (RAX) Points in Base Configuration*
- ◆ *Variable AC Source (0-130V, 50-1KHZ), Dual AC Signal Generators*
- ◆ *Expandable to over 15,000 Test Points*
- ◆ *Remote Probe for isolated testing and troubleshooting*

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.

Designed as a replacement for the original ESATS unit, the AWTS -03 configuration (100000-03) is focused on supporting component assemblies and complex wire systems by maximizing the combination of test points with RAX energization and available stimulus sources. Electrical and electronic assemblies can now be tested in place to reduce maintenance costs.

Contact Us To Learn More!

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AWTS - 03 SYSTEM SPECIFICATIONS *

FEATURES

100000-03 (NSN: 4920-01-644-2084)

Measurement System

Voltage Measurement Stimulus	0.25 to 500 VDC (+ or -)
Current Measurement Stimulus	0.005 to 1.0 Amps (+ or -)
Resistance Measurement	0 to 1000M Ohms
VI Measurement	0.001 to 1.0Amps (+ or -), 0 to 500 VDC (+ or -) <i>Used for:</i> Diode Forward Voltage / Reverse Leakage, Zener, Transistor Current Saturation, & more
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 uF (extended ranges available)
Data Logging (Waveform Capture)	20kHz max sample rate, 2k buffer <i>Used for:</i> Pulse Width, Frequency, Event Timing, & more

Switching/Energization System

Test Address Points	512 Addresses, Bus Selectable (+ or -)
RAX Energization Points	512 (4 Bus on 384 Points and 8 Bus on 128 Points)
Voltage Energization	3 Channels, 0-34 VDC @ 3 Amps each, 9 Amps Tracked 1 Channel 0-130 VAC, 50-1kHz, 100 Watts
Signal Generator	Dual 0-8 VAC, 0-10kHz (square, sine, arbitrary, & more)

Standard Software

ELITE Operating System
- *Self-Program*
- *Menu-Driven Interface*
- *Self-Test (Diagnostics)*
IDE - Interface Device Editor
WTG - Wire Test Generator

Physical Characteristics

Input Power	115 / 230 VAC (auto-ranging), 50-400 Hz
Physical Dimensions (TCU)	14"H x 27.5"D x 21"W, @ 108.5 lbs.
Chassis	Rugged Shock Mount Transit Case (MIL-DTL-28800 Qualified)

* General specification of basic system capability, extended features not listed, subject to change without notice

Contact us today for additional information

ATTENTION GOVERNMENT BUYERS! See Discounted Buying Options at GSA.gov

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