Our most powerful and portable test systems: the ATS3000 Family of Testers

The ATS Family OF Testers significantly reduce:
- Unit Under Test diagnostic time
- Maintenance and calibration costs
- No Fault Found conditions
- Life cycle cost-of-ownership

The ATS3000 Family of Testers provides complete RF, Analog and Digital capabilities, including all of the digital IF and baseband I/Q signal processing required to meet the rigorous testing demands of modern communications systems. Sophisticated Digital Signal Processing allows the ATS3000 family to be easily reconfigured through our proven software-defined architecture, supporting both current (legacy) and future (emerging) requirements.

The ATS3000 Family of Testers includes the TestEZ® automated test environment, which allows users to create and modify Test Program Sets (TPS) via a user-friendly Graphical User Interface. The testers also can be supplied with TPSs for a full range of tactical radios, enabling testing with minimal operator intervention. With a frequency range of 3 GHz, the ATS3000 testers combine an array of 20+ instruments to allow users to test, record, and diagnose faulty Units Under Test. The Standalone Instrument Software provides access to all instrument panels in a versatile, feature-rich environment.

**ATS3000A**
The ATS3000A is the desktop version that includes support for UUT power supplies, a 10MHz reference clock, a spare cPCI expansion slot, and front panel controls that enable the system to be rack mounted, if desired.

**ATS3000P**
The ATS3000P is the ruggedized, battery-operated version that offers front-line, system-level functional and diagnostic testing. Its compact size facilitates easy movement through vehicular access hatches and its light weight allows one person to easily operate it in Standalone or Automated mode.

**ATS3000R**
The ATS3000R, available Q2 2015, enables remote control of the ATS3000P unit using a Windows® tablet or Apple IPAD®.

These items are restricted under the International Traffic in Arms Regulation (ITAR) or the Export Administration Regulations (EAR). Items may not be transferred to a foreign person and may not be retransferred or re-exported without an authorization from the US Department of State or the US Department of Commerce.
RF SIGNAL GENERATOR

**FREQUENCY**

- **Range:** 1.0 MHz to 2.7 GHz (Usable from 250 kHz and up to 3000 MHz)
- **Resolution:** 1 Hz

**RF RECEIVE METERS**

**FREQUENCY**

- **Range:** 1.0 MHz to 2.7 GHz (Usable from 250 kHz and up to 3000 MHz)

**RF POWER METER (Broadband)**

**FREQUENCY**

- **Range:** 1.0 MHz to 2.7 GHz (Usable from 250 kHz and up to 3000 MHz)
- **Accuracy:** ±1-10%

**AUDIO FUNCTION GENERATOR(S)**

- **CHANNELS**
  - 2 Front Panel Channels
  - 4 UUT Interface Module Channels

- **WAVEFORM**
  - Sine, Square, Triangle, Ramp, Pulse, & DC

- **FREQUENCY**
  - **Range:** Sine: 0 Hz to 100 kHz (Usable to 250 kHz)
  - **Resolution:** 0.1 Hz
  - **Accuracy:** ±0.2 Hz (Sine)

**AUDIO ANALYZER**

- **CHANNELS**
  - 2 Front Panel Channels
  - Demodulated RF
  - 2 UUT Interface Module Channels
  - Audio signal is automatically detected and measured

**RF SPECTRUM ANALYZER**

**FREQUENCY**

- **Range:** 1.0 MHz to 2.7 GHz (Usable from 250 kHz and up to 3000 MHz)
- **Resolution:** 1 Hz

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**OSCILLOSCOPE**

**DISPLAY**

- **Channels:** 2
- **Trace Types:** Live, captured
- **Measure:** Freq., Vrms, Vmin, Vmax, Vpp, Vavg, pulse width (neg. and pos.), and Phase difference

**FREQUENCY STANDARD (Ref. Osc.)**

**INTERNAL FREQUENCY STANDARD (OCXO)**

- **Frequency:** 10 MHz
- **Accuracy:** (0 to 50 degrees C) ±0.3 ppm

**DIGITAL MULTIMETER**

**AC / DC VOLTMETER**

- **Range:** 1mV to 300V (non-mains 600V)
- **Resolution:** 5½ digits
- **Accuracy Range - DC:**
  - 600V: ±1% reading ±0.0002 of full scale
  - 100V: ±1% reading ±0.0002 of full scale
  - 10V: ±1% reading ±0.0002 of full scale
  - 1V: ±1% reading ±0.0002 of full scale
- **Accuracy Range - AC:**
  - 600V: ±2% reading ±0.0002 of full scale
  - 100V: ±2% reading ±0.0012 of full scale
  - 10V: ±2% reading ±0.0012 of full scale
  - 1V: ±2% reading ±0.012 of full scale
  - 0.1V: ±0.5% reading ±0.02 of full scale
- **AC Volts Frequency Range:** 40 Hz to 20 kHz

**POWER REQUIREMENTS**

**AC / DC VOLTAGE**

- **AC:**
  - 100 to 120 VAC 50/60 Hz (ATS3000A)
  - 220 to 240 VAC 50/60 Hz (ATS3000A)
  - 104 to 126 VAC 50/60 Hz (ATS3000P/R)
  - 207 to 253 VAC 50/60 Hz (ATS3000P/R)
- **DC:**
  - 22 through 32 VDC (ATS3000P/R)

**ACCESSORIES**

- Scope Probe Kit
- DMM Probe Kit
- AC Power Cord
- Extra Fuses
- Operator’s Manual

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