

Powerful. Portable.

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

ATS3000A



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.

ATS3000P



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.

ATS3000R



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.

Our Products and Services:
Instruments | Integration | Logistics | Engineering | Software

Our Brands:
Racal Instruments™ test and measurement products
Talon Instruments™ digital test products
Trig-Tek™ vibration analysis and test products



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: +/-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

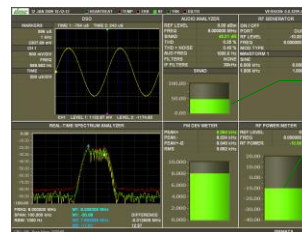
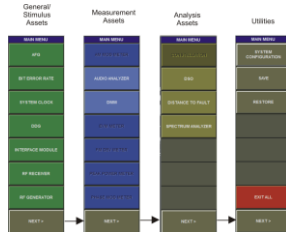
2 Front Panel Channels
Demodulated RF
2 UUT Interface Module Channels
Audio signal is automatically detected and measured

RF SPECTRUM ANALYZER

FREQUENCY

Range: 1.0 MHz to 2.7 GHz (usable from 250 kHz and up to 3000 MHz)

Resolution: 1 Hz



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: 5-1/2 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

STANDARD

Scope Probe Kit

AC Power Cord

Operator's Manual

DMM Probe Kit

Extra Fuses

Astronics
TEST SYSTEMS

ATSinfo@Astronics.com * www.AstronicsTestSystems.com

4 Goodyear * Irvine, California 92618 * Phone: 800-722-2528

12889 Ingenuity Drive * Orlando, Florida 32826 * Phone: 407-381-6062