The ATS3000A is a powerful benchtop Communications Test System that can replace numerous shop instruments.

The ATS3000A significantly reduces:
- Unit Under Test diagnostic time
- Maintenance and calibration costs
- No Fault Found conditions
- Life cycle cost-of-ownership

The ATS3000A is designed using Astronics Test Systems’ proven Synthetic Instrumentation architecture. Featuring 23 instruments, and both Automated and Standalone modes to test, record, and diagnose faults, the unit provides complete RF, Analog and Digital capabilities. The ATS3000A also includes the sophisticated IF and baseband I/Q Digital Signal Processing required for modern radios. The field-upgradeable, software-defined architecture features easy-to-use graphical user interfaces and enables testing with minimal operator intervention. Test Program Sets are available for a full range of tactical radios, or you can create new TPSs easily using the included TestEZ® software suite.

DIMENSIONS
- Size: 7.5 in. H x 17.0 in. W x 20.5 in. D
  (19.0 cm H x 43.2 cm W x 52.1 cm D)
- Weight: < 37 lbs. (< 16.8 kg)
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**
- 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 (Reference Oscillator)**
- Frequency: 10 MHz
- Accuracy: (0 to 50 degrees C) ±0.3 ppm

**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 ±0.0012 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**
- Voltage: 100 to 120 VAC 50/60 Hz
- 220 to 240 VAC 50/60 Hz

ACCESSORIES

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

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