The CTS-2750 is a compact, ruggedized, battery-operated Communications Test System for frontline diagnostics. The CTS-2750 significantly reduces:
- **Unit Under Test diagnostic time**
- **Maintenance and calibration costs**
- **No Fault Found conditions**
- **Life cycle cost-of-ownership**

The CTS-2750 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 field-upgradeable, software-defined architecture features easy-to-use graphical user interfaces and enables testing with minimal operator intervention. Test Program Sets can be created easily using the included TestEZ® software suite.

**Features**
- Software defined, synthetic architecture
- 23+ meters and instruments
- Standalone/Automated test capabilities
- Field upgradeable
- Real-time, programmable IF bandwidth from 100Hz to 8 MHz
- Removable UUT interface module for future ATE communications
- IQ synthesis and analysis via IQEZ™

**Instruments**
- RF Generator and Receiver
- 2 CH Arbitrary Function Generator
- Constellation
- 2 CH Digital Storage Oscilloscope
- Spectrum Analyzer
- Distance-to-Fault
- SINAD Meter
- Distortion Meter
- Audio Frequency Counter
- FM and AM Modulation Meters
- Phase Modulation Meter
- Digital Multimeter
- Peak Power Meter
- Error Vector Meter
- RF Power and Error Meters
- Received Signal Strength Indicator
- Single Side Band
- Over-the-Air

**Dimensions with Laptop**
- **Size:** 6 in. H x 12 in. W x 13.5 in. D (15.2 cm H x 30.5 cm W x 34.3 cm D)
- **Weight:** < 18 lbs. (< 8.2 kg)

**Dimensions without Laptop**
- **Size:** 4 in. H x 12 in. W x 13.5 in. D (10.2 cm H x 30.5 cm W x 34.3 cm D)
- **Weight:** < 13 lbs. (< 5.9 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**
- 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 (Reference Oscillator)**

**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 ±0.0002 of full scale
  - 10V: ±2% reading ±0.0002 of full scale
  - 1V: ±2% reading ±0.0002 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**
- AC Voltage: 104 to 126 VAC 50/60 Hz
- 207 to 253 VAC 50/60 Hz
- DC Voltage: 22 through 32 VDC

**ACCESSORIES**

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

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**AT A Glance**

Powerful. Portable. CTS–2750

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**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

27 April 2015. Actual product specifications may have changed since the printing of this brochure. Brochure specifications are not binding, confirm specifications at time of order.