

KEEPING FRONT LINES SAFER WITH NEXT GEN RADIO TEST

The CTS-6000 operational-level radio test set significantly reduces:

- ✓ TEST TIME AND COST
- ✓ MAINTENANCE AND CALIBRATION COSTS
- ✓ NO FAULT FOUND CONDITIONS
- ✓ LIFE CYCLE COST-OF-OWNERSHIP



Equip technicians with front-line test capabilities

CTS-6000 offers fault detection & operational verification of radio communications systems.

The CTS-6000 combines the operational capability of many different test instruments into a powerful, compact, handheld unit.

The sophisticated virtual instrument graphical user interface provides maximum operational capability for advanced users, while maintaining an intuitive, easy-to-use interface for novice users. The CTS-6000 also includes over-the-air testing, enabling radios and communications equipment

to be verified remotely.

The ruggedized, handheld unit is designed for operational-level testing and features a 10.1", sunlight-readable display, and resistive touchscreen.

In addition to meeting today's requirements, the Synthetic Instrumentation architecture of the CTS-6000 provides a migration path with the capability and flexibility to support future communications, avionics, and navigation needs.

✓ RF SIGNAL GENERATOR

✓ RF RECEIVER

- Receive Signal Strength Indicator
- RF In-Band Frequency Counter / Error Meter
- FM Deviation Meter
- AM Modulation Meter

✓ RF POWER METER

✓ RF ANALYZERS

- Spectrum Analyzer
- VSWR Analyzer
- Cable Distance-to-Fault Analyzer

✓ AF SIGNAL GENERATORS

✓ AUDIO METERS

- SINAD/Distortion Meter
- Audio Frequency Counter
- Audio Filters

✓ OSCILLOSCOPE

✓ DIGITAL INTERFACES

✓ REFERENCE OSCILLATOR

✓ TRACKING GENERATOR

RF SIGNAL GENERATOR

FREQUENCY
Range: 1.0 MHz to 6.0 GHz
Resolution: 1 Hz
T/R Output Range: -120 dBm to -50 dBm
ANT Output Range: -90 dBm to -30 dBm

RF RECEIVE METERS

FREQUENCY
Range: 1.0 MHz to 6.0 GHz
Resolution: 1 Hz
T/R Input Range: -50 dBm to +37 dBm (50 Ohm)
Ant Input Range: -120 dBm to +20 dBm (50 Ohm)
RSSI Range: -100 dBm to +43 dBm

RF POWER METER (Broadband)

FREQUENCY
Range: 1.0 MHz to 6.0 GHz
Accuracy: +/-10%

AUDIO FUNCTION GENERATOR(S)

CHANNELS
2 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)

RF SPECTRUM ANALYZER

FREQUENCY
Range: 1.0 MHz to 6.0 GHz
Resolution: 1 Hz

OSCILLOSCOPE

DISPLAY
Channels: 2
Trace Types: Live, captured
Measure: Freq., Vrms, Vmin, Vmax, Vpp, Vavg, pulse width (neg. and pos.)
Freq Range: DC to 25 MHz
Input Range ± 40 V

REFERENCE OSCILLATOR

ACCURACY
Accuracy: ±0.15 ppm

AUDIO ANALYZER

CHANNELS
2 Channels
Demodulated RF
Audio signal is automatically detected and measured

POWER REQUIREMENTS

AC /DC
AC Voltage: 95 to 260 VAC 50/60 Hz
DC Voltage: Using Battery

ACCESSORIES

STANDARD
AC Power Cord
Carry Handle
Operator's Manual

DIMENSIONS

Size: 300mm x 255mm x 85mm
Weight: < 5kg

HOST SYSTEM

Rugged Tablet running Windows 7
Solid State Drive with 128GB