

A²DSG™



GENERATING COMPLEX EMITTER SIMULATIONS FOR NUMEROUS PLATFORMS

Our Advanced Architecture Desktop Signal Generator (A²DSG™) is designed to provide a small, affordable, portable signal generation capability for signal development, signal test and signal verification and validation (V&V) of complex signals generated by radars, weapons, and modern communications. Our unique, plug-and-play, uses direct digital Synthetic Stimulus Instruments (SSIs) as the radio frequency (RF) source for all signals. The configurable A²DSG and Intuitive 3D graphical user interface with enhanced visualization provides all the capability sized for your needs and affordably priced to complement any budget for testing in a lab, range, chamber, or your desk.

TextronSystems.com



TEXTRON Systems

► PUSHING PAST POSSIBLE

A²DSG ADVANCED ARCHITECTURE DESKTOP SIGNAL GENERATOR

SPECIFICATIONS



PULSE DENSITY
Up to 4 MPPS



RF SOURCE
Textron Systems SSIs
Up to 2 SSIs



NOISE FLOOR
<90 dBm/MHz
(No signal present)



FREQUENCY RESOLUTION/ACCURACY
Resolution: 0.0625 Hz
Accuracy: +/- 0.1 Hz



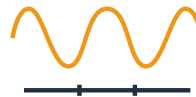
SPURS & HARMONICS
-70 dBc (max)



PULSE WIDTH RANGE
24 ns to 1 s
Resolution: 20 ps
Accuracy: +/- 1 ns



PULSE REPETITION INTERVAL
375 ns to 10 s
Resolution: 20 ps
Accuracy: +/- 1 ns



OPERATING FREQUENCY RANGE
500 KHz - 40 GHz

KEY FEATURES & BENEFITS

- > Designed for easy system expansion through addition of identical commercially offered SSI modules
- > Allows for long-periods of simulation time with no external calibration procedures
- > Simultaneous, amplitude and time angle of arrival simulation
- > I&Q Vector Modulation
- > Reconfigurable architecture meets test requirements
- > Easy setup, installation, and relocation
- > Capable of running dynamic and static scenarios
- > Capable of generating advanced radar emitters with complex antenna scans
- > NEWEG Compatible
- > Fast Delivery
- > Modern Communication signal testing
- > Commercial Radar Test and Evaluation
 - Aviation radar receivers
 - Ground aviation control radar