

TEST, TRAINING & SIMULATION

# A<sup>2</sup>DSG™

## 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.



# A<sup>2</sup>DSG ADVANCED, ARCHITECTURE DESKTOP SIGNAL GENERATOR

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.

## SPECIFICATIONS



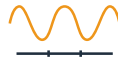
**PULSE DENSITY**  
Up to 4 MPPS



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



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



**OPERATING FREQUENCY RANGE**  
500 KHz - 40 GHz



**RF SOURCE**  
Textron Systems  
SSIs Up to 2 SSIs



**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

## 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

**CONTACT US**

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**SCAN FOR  
PRODUCT DETAILS**

