

# AT-AWG-GS 2500

## 14 Bit - 2.5 GS/s Arbitrary Waveform Generator



**14 Bit - 2.5 GS/s Real Time Sample Rate**

**>1 GHz Analog Bandwidth**

**Multi Channel Synchronization**

**32 Bits / 1.25 Gbps Digital Output**



# AT-AWG-GS 2500

## THE NEXT GENERATION OF WAVEFORMS

**14 BIT ARBITRARY WAVEFORM GENERATOR:  
2.5 GS/s REAL TIME SAMPLE RATE, >1 GHz ANALOG BANDWIDTH**

### NEW GENERATION WAVEFORMS FOR COMPLEX REAL-WORLD SIGNALS

High bandwidth and high resolution AWGs help you to generate with confidence complex signals like digital modulations and RF stimuli for functional and performance tests.

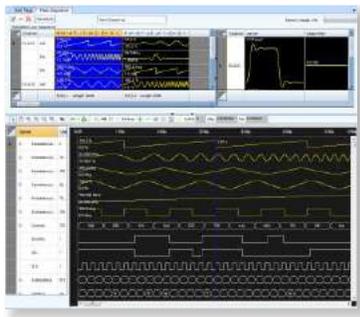
AT-AWG-GS 2500, by combining 2.5 GS/s with 14 Bit Vertical Resolution, gives you high performance analog and digital waveforms to meet demanding for test signals and application where speed, resolution and quality is an issue.

#### TEST WITH CONFIDENCE

- RF Signal Generation
- Digital Modulation
- Very Low Harmonic Distortion
- Output Selection: RF amp, Direct DAC, DC amp
- High Speed Digital Outputs
- Multi-Instrument Synchronization
- Arbitrary, DDS and Function Generator modes

#### SW USER INTERFACES

- Easy Function Generator UI
- Advanced Arbitrary/DDS UI: powerful sequencer with looping, conditional jumps and subsequencies



#### About Active Technologies

Active Technologies is an Italian company expert in semiconductor test equipment and electronic instrumentation design.

Active Technologies S.r.l - Via Bela Bartok 29/B - 44124 Ferrara - Italy  
Phone +39 0532 91456 Fax +39 0532 970134  
E-Mail: info@activetechnologies.it

#### KEY FEATURES \*

- 2.5 GS/s Real Time Sample Rate
- 14 Bit Resolution
- 1 GHz Analog Bandwidth
- Long Memory: 64 Mpts/Ch
- 2 Channels
- Direct DAC Out - DC Coupled: 1.6 Vpp Differential / 0.8 Vpp S.E. >1 GHz Bandwidth
- RF Amp Out - AC Coupled: -10 dBm to +10 dBm Diff. Output >1GHz Bandwidth
- DC Amp Out - DC Coupled: 4 Vpp Differential / 2 Vpp S.E. >600 MHz Bandwidth
- Harmonic Distortion: <-65 dBc
- Non-Harmonic Distortion: <-74dBc (1kHz to 1GHz)
- Multi Channel Synchronization: 10 ps resolution skew control
- Arbitrary, DDS and Function Generator modes
- Advanced Waveform Sequencer
- Digital Pattern Generator: 16/32 Bits @ 1250/625 Mbps

\*Preliminary. Subject to change without notice.