

Tabor Electronics launches its next generation of high-speed Arbitrary Waveform Generators

Tabor Electronics next generation of AWGs, the Signal Expert series, introduces new DAC technology combined with advanced arbitrary capabilities for applications reaching up to microwave frequencies.

Tel-Hanan Israel, November 2016 – Tabor Electronics is proud to introduce the all new Signal Expert series of high speed AWGs. The new series offers solutions to applications reaching well into the C-Band frequencies.

The new line offers the SE5082, single and dual channel models, with 5GS/s 12bit clock and up to 64M of waveform memory. The Signal Expert series enables operation in multi-Nyquist zones and offers an analog bandwidth of up to 7GHz! With exceptional spectral purity, extremely fast rise and fall time, advanced arbitrary, sequencing and triggering capabilities the new Signal Expert series addresses applications both in the time and frequency domain.

Series Highlights:

- 5Gs/s, 12 bit single, dual or four channel waveform generators
- Extra wide analog bandwidth up to 7GHz
- Extremely fast rise and fall time of under 150ps
- Multi-Nyquist zone operation capability, up to the 4th Nyquist zone
- Independent or synchronized channels with 10ps inter channel skew resolution
- Up to 64M of waveform memory
- Various output amplifier modules utilized to solve numerous applications in different domains
- Smart trigger enables trigger hold-off, detect, wait, abort and restart
- Advanced sequencer for step, loop, nest and jumps scenarios
- Built-in fast dynamic segments and sequences hop control
- Two programmable markers (positions, width and levels) per channel
- Multi instrument synchronization

Jonathan Netzer, Tabor's Product Marketing Manager commented: "Tabor Electronics is committed to providing our customers with new products that not only offer the highest performance but are also cost effective. Our new Signal Expert series incorporates Multi-Nyquist zone operation, and despite its 5GS/s sampling rate, can generate signals up to 7GHz. Combined with the various configurable output modules, the new series can address a wide range of applications from time domain to direct RF generation."

About Tabor Electronics

Established in 1971, Tabor Electronics has become a world-leading provider of high-end signal sources, featuring: pulse, function and arbitrary waveform generators, high-voltage amplifiers, waveform and modulation creation software. Tabor has earned global recognition for its highly skilled workforce and innovative engineering capabilities. In addition to offering a full range of self-branded instruments, Tabor is also a world-class OEM that private-labels a variety of products for industry leaders. Technologically advanced, featuring the highest levels of performance, reliability, and most importantly, price-competitive, Tabor's products are sought-after in a diverse array of applications.

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