

## **Signal generator provides low distortion signals at up to 150MHz**

Saelig Company has introduced the AG4151 - an economical, feature-rich, dual-channel multi-function generator which combines arbitrary waveform and function generation using Direct Digital Synthesizer (DDS) technology to provide stable, precise, low distortion signals at up to 150MHz. With a 400MSa/s sample rate and 14-bit vertical resolution, the AG4151 has a 1Mbit memory for precise generation of five basic waveforms (sine/square/pulse/ramp/noise) and three built-in arbitrary waveforms at up to 20Vpp. Both output channels can be configured separately or locked together. Additionally, the AG4151 can create user-defined, editable waveforms, or provide modulation capabilities (AM/FM/PM/FSK/Log-Lin Sweep/Burst). It can produce up to 50MHz square waves, and up to 1MHz linear ramp waves. The AG4151 also can generate pulse waveforms up to 25MHz, and complex custom waveforms from 1µHz to 10MHz.

The user-friendly panel layout features a 3.9" high resolution (480×320 pixels) TFT color LCD display. Menu navigation is intuitive and the graphical interface ensures that all functions and parameters are within easy reach.

In the frequency sweep mode, the generator steps from a start frequency to a stop frequency at a specified sweep rate generated by sine, square or ramp waveforms. The burst feature can generate sine, square, ramp, pulse and arbitrary waveforms that last for certain times of waveform cycles (N-cycle Burst), or the output can be controlled by external gating signals. A useful integrated help function shows descriptions of single functions and step-by-step instructions for operational tasks.

Communication interfaces in the AG4151 are embedded USB Device, USB Host for waveform and configuration storage, and an RS232 serial port. This versatile waveform generator supports communications with a PC through either USB or the RS232 port. PC communication software provided allows remote setting of the instrument's parameters and output, and can synchronously mimic the display the screen of the waveform generator.

Manufactured by specialist test equipment manufacturer Owon and housed in an attractive 9.25" x 4.3" x 11.6" bench-top enclosure, the 6.6lb AG4151 is available now from Saelig Company Inc. at \$927. For detailed specifications, free technical assistance, or additional information, please visit [www.saelig.com](http://www.saelig.com) [1].

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