

The TG5011A and TG2511A are a high performance DDS arbitrary/function generators that utilise the latest high speed FPGA technologies to provide an exceptionally good price to performance ratio. They substantially out-perform the competition with high quality sine and square waveforms at up to 50MHz. The full graphics display is capable of showing representative waveform information simultaneously with a comprehensive status readout. The casing is highly compact being half rack width by 2U height.

The wide range of standard waveforms is supplemented by full arbitrary waveform capability using a 125MS/s sampling rate and up to 128K word record length. Waveforms can be downloaded via the digital interfaces or loaded and saved via the front mounted USB flash drive interface.

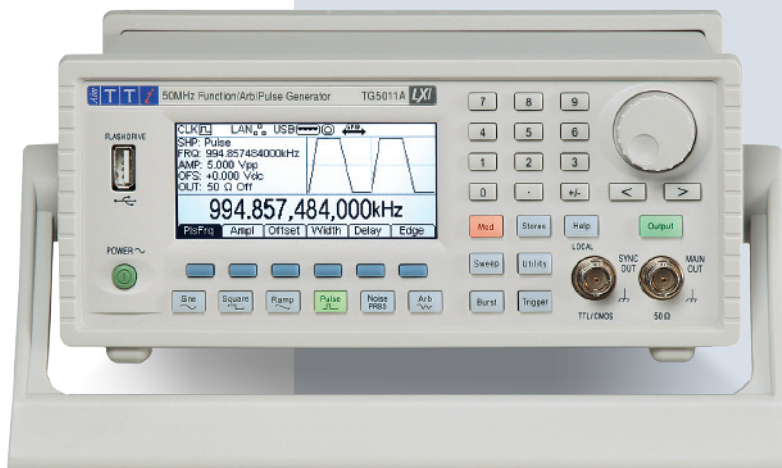
Pulse waveforms are generated by a dedicated pulse generator system with independent setting of period, width and delay. Rise and fall times are independently variable over a wide range.

A comprehensive digital modulation system is incorporated covering AM, FM, PM, PWM, FSK and Noise. Modulations can be internal or external at frequencies from DC up to 20kHz external or 1MHz internal.

A comprehensive set of interfaces includes USB and LAN (conforming with LXI) as standard plus GPIB as an option.

- ▶ 1µHz to 50MHz or 25MHz range; 14 digits or 1µHz resolution.
- ▶ Standard waveforms include sine, square, ramp, pulse, PBRs, sin(x)/x, noise, exponential and logarithmic rise.
- ▶ True pulse generator with variable delay and variable rise/fall.
- ▶ Arbitrary waveforms of up to 128K points at up to 125MS/s.
- ▶ Waveform storage using USB flash drives
- ▶ Large graphic LCD with simultaneous text and waveform display.
- ▶ Comprehensive internal and external digital modulations including AM, FM, PM, PWM, SUM, FSK and BPSK.
- ▶ 20mV to 20V pk-pk output from 50Ω ; plus multi function aux. out.
- ▶ Storage for multiple instrument set-ups in non-volatile memory.
- ▶ Waveform Manager Plus for Windows software included.
- ▶ Programmable via USB and LAN (LXI) interfaces; GPIB optional.

Further details are provided in the comparison table on page 15. Full details are available on the web site.



## TG5011A & TG2511A

- ▶ 50MHz/25MHz function generator
- ▶ High speed arbitrary waveforms
- ▶ Full pulse generator mode with variable rise/fall times
- ▶ USB, LAN and optional GPIB

The TGxx11A series is the latest and most advanced digital function generator from Aim-TTI.

It incorporates a full graphic display and offers high quality standard waveforms, high speed arbitrary waveforms, and full pulse generator facilities.

Pulses can be set-up from independent period, width and delay, with variable rise and fall times. Internal or external digital modulations are available using any waveshape.

The TG5012A and TG2512A are two channel versions of the TG5011A/2511A, detailed above) and have identical features augmented by multi-channel capabilities including coupling for frequency and/or level, full tracking, and defined phase offset.

The channels can also be used as completely independent generators and they represent excellent value for money when compared with buying two generators.

- ▶ Two channels - independent or linked with coupled/tracking modes.
- ▶ Selectable coupling of frequency (equal or offset), amplitude/dc offset.
- ▶ Inter-channel phase offset of -360° to +360° with 0.1° resolution.
- ▶ Individual channel features as TG5011A/TG2511A.



**NEW**

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## TG5012A & TG2512A

- ▶ Dual channel function generator
- ▶ 50MHz or 25MHz max. frequency
- ▶ Independent, coupled or tracking channel operation
- ▶ USB, LAN and optional GPIB

