

# Product Range

## Pulse Generators - page 12

Analog 10MHz pulse generator.

## Waveform Amplifiers - page 12

Wide-band amplifier with 30V pk-pk output.

## Analog Function Generators - page 13

Dial-set and digital display function generators from 3MHz up to 20MHz. Models with sweep and external frequency measurement.

## Digital Function Generators - page 15

DDS based function generators, with and without arbitrary capability at frequencies up to 50MHz.

## Arbitrary Waveform Generators - page 18

Arbitrary waveform software, universal waveform generators (arbitrary/function/pulse) with up to four channels, and up to 100MS/s.

## RF Signal Generators - page 21

Also included in the Precision Measurement & RF Test Equipment product summary brochure)

## Function, Arbitrary & Pulse generators

Aim-TTi is a world leader in waveform generation with products ranging from basic analog function generators through to advanced multi-channel arbitrary generators.

### Waveform quality

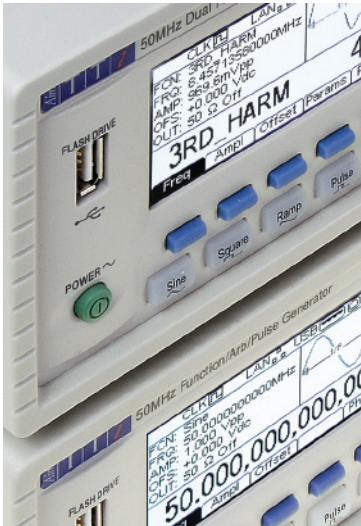
The success of Aim-TTi function generators has always been based around waveform quality.

Aim-TTi generators offer waveform quality not just at high output levels, but at low levels as well - a much more difficult task.

Careful analog design yields excellent waveform purity at all frequencies and levels, unlike many competitive products.

### Digital architectures

Aim-TTi has been at the forefront of digital generator design with products that combine both DDS (direct digital synthesis) and variable-clock architectures in order to offer optimum performance for specific applications.



# TGP110 Pulse Generator

- ▶ 0.1Hz to 10MHz pulse generator
- ▶ Very wide pulse control range



The TGP110 is an analog pulse generator that offers a very wide control range. Its dedicated architecture enables it to generate fast rise time flat top pulses over a very large duty cycle range. The unit offers selectable delay between trigger and pulse, or between two pulses in double pulse mode. A sync output signal provides a pulse in synchronism with the trigger. A low impedance output of fully variable level is provided together with a TTL/CMOS output and a level inversion switch.

- ▶ 0.1Hz to 10MHz frequency range
- ▶ Independent control of pulse frequency, width and delay
- ▶ 50ns minimum pulse width
- ▶ Squarewave, double pulse and delayed pulse modes
- ▶ Free-run, gated and triggered modes
- ▶ 50 Ohm output: 0.1V to 10V amplitude
- ▶ TTL/CMOS and Sync outputs

# WA301 Waveform Amplifier

- ▶ Up to 30 volts pk-pk output
- ▶ DC to 1 MHz bandwidth



The WA301 wide-band waveform amplifier is intended for extending the maximum output voltage swing of function and arbitrary generators for applications where an EMF of 20 volts pk-pk is insufficient.

- ▶ 30 V pk to pk output (15 V into terminating impedance)
- ▶ 50Ω and 600Ω outputs; full output protection
- ▶ Switchable 20dB output attenuator
- ▶ DC to 1MHz bandwidth
- ▶ High impedance input; 0dB to +20dB gain