

## TGF3000 SERIES

### Dual Channel Function/Arbitrary Generator

#### HIGH FREQUENCY 160MHZ/80MHZ FUNCTION GENERATOR

Sine frequency up to 160MHz  
high sine purity, THD <0.05%

Arbitrary waveforms of 16 bits  
at up to 800MSa/s

Class-leading modulation set  
including SUM\* modulation

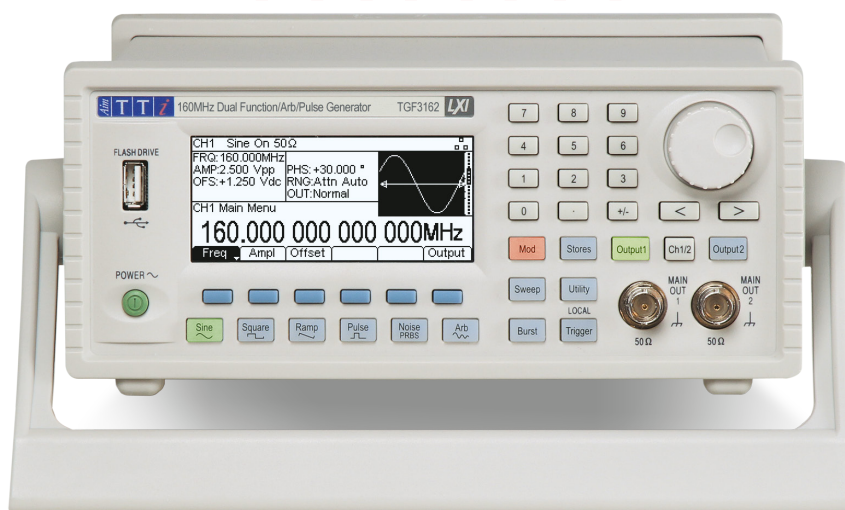
Harmonics generation using  
up to 16 harmonics\*

Two identical channels with phase  
control, coupling and tracking\*

High resolution pulse generator  
and wide bandwidth noise source

PRBS serial patterns with eight  
selectable sequence length\*

125MHz frequency counter/timer  
with five measurement modes



Features marked \* are standard on the TGF3162 and optional on the TGF3082



\*\*GPIB optional

#### UNRIVALED VALUE FOR MONEY

The TGF3000 series is the latest function/arbitrary generator series from Aim-TTi offering class-leading performance and unrivalled value for money.

A frequency capability of up to 160MHz is combined with two identical full performance channels that can operate as independent generators or in coupled or tracking modes. Precise channel to channel phase control with a resolution of 0.001° is provided.

#### EXTENSIVE RANGE OF FUNCTIONS

A wide range of built-in waveforms are included and custom arbitrary waveforms can be used at sample speeds up to 800MS/s and replay rates up to 80MHz. PC based arbitrary waveform generation and editing software is provided.

High resolution, low jitter pulses can be generated as can wide bandwidth white noise.

A extensive array of modulations is provided using internal and external sources. Gated, burst and sweep modes can use internal or external trigger sources.

#### INTRODUCTION

TGF series includes:

**TGF3162**- 160MHz generator  
£850/€1025/\$1150

**TGF3082**- 80MHz generator  
£695/€825/\$915

**GU3082**- TGF3082 upgrade pack  
£100/€115/\$130

Order book open now.

Shipments starting: November 2017

New TGF3000 series' pictures are available on the Aim-TTi images website  
<http://images.aimtti.com/>