ROMEX

EMBEDDED TEST SOLUTIONS

overton INSTRUMENTS

SIGNAL GENERATION & MEASUREMENT

To verify critical timing performance for a typical DUT (device-under-test), what is often used is a basic set of test instruments that measure signal frequency, timing control functions and generate special clock/pulses.

The **Signal Generation & Measurement** collection from OI, offer test developers an impressive series of practical solutions that are easy-to-use, offer huge flexibility and comes with a price tag that is just a fraction of the cost for comparable PC-based test instruments.

With our unique circuit timing test solutions the application possibilities are enormous. To learn more about how OI products can support your next test development project, just go to the OI website and request a demo unit for a free 10-day trial period.

SPECIAL BENEFITS

- *Great selection of unique timing circuit test solutions*
- *Easy access to instrument resources*
- *Compact size, module just 2.50" x 2.75"*
- *Embedded or USB Interface*
- *Compatible with Lab-View, LabWindows, VB, HP-Vee, C/C++, Python & many others*
- *Low cost, Oi modules can be as much as 60% less then traditional PC-based test instruments*
- *Use to build Smart Test Fixtures, create custom desktop test equipment or support larger ATE test systems*

Frequency Counter

The FCM-MATE module (shown below), is a very versatile 100MHz counter that is swiftly becoming the choice for in-circuit frequency measurement. Unique 32-bit counter technology and programmable gate-time selection, allow the FCM-MATE to make very fast and very accurate measurements. The FCM-MATE also includes a convenient test mode, to insure proper operation at all time.

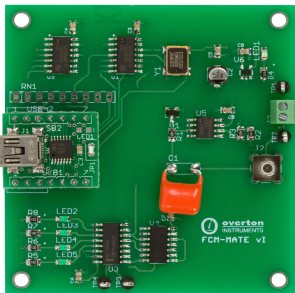### Pulse & Waveform Generators

The PGM-MATE and PWG-MATE modules offer unique pulse generating capabilities. The PGM-MATE is a 10MHz TTL pulse generator, with fully programmable duty cycle. The PWG-MATE is a completely programmable 12.5MHz waveform generator capable of generating SINE, SQUARE-WAVE and TRIANGLE waveforms.

Timer/Counter

The PIT-MATE, Programmable Interval Timer module, is a 10MHz general purpose multi-channel counter/timer solution. Use it to count events, measure elapsed time, create programmable one-shots and much more.

FCM-MATE	**PGM-MATE**	**PWG-MATE**	**PIT-MATE**
100MHz Frequency Counter Module	10MHz Pulse Generator Module	12.5MHz Programmable Waveform Generator Module	Programmable Interval Timer Module

New Product, Under Development (PGM-MATE)

New Product, Under Development (PWG-MATE)

New Product, Under Development (PIT-MATE)

FCM-MATE:
- *1 Hz to 100 MHz Range*
- *Programmable Gate-Time*
- *BNC & Screw Terminal Input Connectors*
- *LED's indicate range selection*
- *10 MHz Test Mode*

PGM-MATE:
- *1 Hz to 10 MHz Range*
- *1 Hz Programmable Duty Cycle*
- *BNC & Screw Terminal Input Connectors*
- *LED indicate generator active*

ORDER INFO

FCM-MATE, 100MHz Freq Counter Module **ETS-5010-00**	PGM-MATE, 10MHz Pulse Gen Module **ETS-5110-00**	PWG-MATE, 12.5GHz Prog. Waveform Gen Module **ETS-5210-00**	4WIRE-MATE, 8-SPST Relay Module **ETS-5310-00**
FCM-MATE, with optional USB Interface **ETS-5011-00**	PGM-MATE, with optional USB Interface **ETS-5111-00**	PWG-MATE, with optional USB Interface **ETS-5211-00**	4WIRE-MATE, with optional USB Interface **ETS-5311-00**

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