ROMEX

EMBEDDED TEST SOLUTIONS

overton INSTRUMENTS

SPECIAL FUNCTION MODULES

Often time the job of building custom test equipment requires some type of unique hardware to overcome difficult problems. At OI we view those situations as great opportunities to create something special. With that, check out the **Special Function** collection of instrument products listed below. This group of modules provide test developers a special assortment of test solutions that are easy-to-use, offer huge flexibility and comes with a price tag that can not be matched.

To learn more about how our Special Function products can be used to 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

- *Growing selection of special function test solutions*
- *Easy access to instrument resources*
- *Compact size, module just 2.50" x 2.75"*
- *Embedded or USB Interface*
- *Compatible with LabView, 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*

Special Short Finder

The SFM-MATE module is designed to give custom Functional Test equipment a low-cost ICT capability. It does so by locating 'short' defects on a PCB prior to applying DUT power. The SFM-MATE offers 8 input channels, which are typically connected to "high risk" Test Points (i.e., DUT power rails, voltage references & regulators, timing, reset & sensor circuits).

Smart Power Sequence

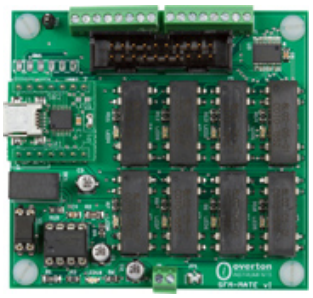
What is fundamental to testing any electronic device is the need to apply safe power. But in Production Test, applying power to a defective unit can cause severe damage to the DUT (device-under-test), the adjoining test equipment or injury to the Test Operator. The DUT-MATE performs '5' critical functions, which are designed to avoid electrical hazards and protect the DUT during it's power-up sequence.

In-circuit Temperature Measurement

The TMM-MATE module is designed to support four IDI Thermocouple Probes (Type-K). Each channel includes a precision thermocouple amplifier and break detection capability. Use it to measure power resistors, semiconductors, batteries, heat sinks, heating elements and many others.

SFM-MATE

Short-Finder Measurement Module



- *Automatically detect in-circuit PCB shorts or opens*
- *Includes 8 DPST relay input channels, with an isolated low-ohm measurement circuit*
- *LED's indicate each active channel*
- *Easy screw terminal connections or single consolidated header*

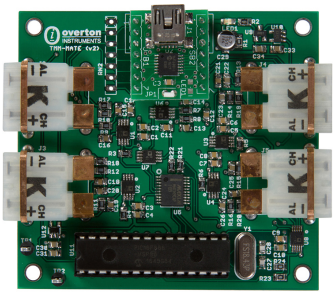
DUT-MATE

Smart Power Sequence Module

- *Fully automatic DUT power sequence module*
- *Verify marginal performance by monitoring DUT current flow*
- *Comes in 3 models (1A, 5A & 10Amp versions)*
- *Easy screw terminal connections or single consolidated header*

TMM-MATE

Temperature Measurement Module



- *Automatically measure device temperature while in-circuit*
- *Up to 4 channels each, type K or J thermocouples*
- *Onboard ambient temperature sensor allows precise calibration*
- *Supports IDI Thermocouple Probes*

PLM-MATE

Programmable Load Module

New Product,
Under Development

ORDER INFO

SFM-MATE	DUT-MATE	TMM-MATE	PLM-MATE
8-CH Short-Finder Module **ETS-6160-00**	Power Sequence Module, 1Amp **ETS-6010-00**	Temperature Measurement Module **ETS-6150-00**	Programmable Load Module **ETS-6130-00**
with optional USB Interface **ETS-6161-00**	with optional USB Interface **ETS-6011-00**	with optional USB Interface **ETS-6151-00**	with optional USB Interface **ETS-6131-00**

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