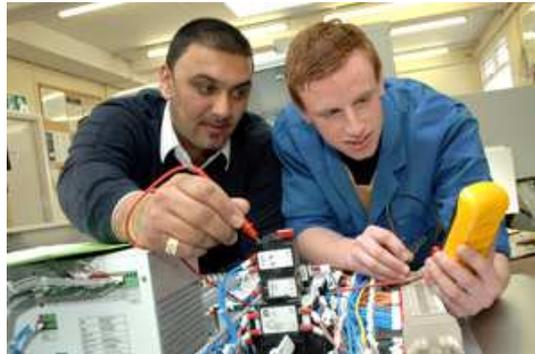


# TEST RESULTS<sup>®</sup>

Test Results<sup>®</sup>, is a company news periodical published by Overton Instruments (Oi), to highlight new products, special events and noteworthy Functional Test solutions. Customer names may be disguised for identity protection. 7/12/15

**Versatile Relay Switching Solutions from (Oi), fully automate repetitive measurements...**

Presented by,  
Overton Claborne Sr  
(Oi) Founder & CEO



In the time it takes for a technician to probe a single test point, (Oi) relay modules can switch 100's of test points. But switching speed is not the only advantage, (Oi) products offer tremendous flexibility, scalability and affordability. Use them to satisfy a diverse range of custom signal switching applications. In most cases, the cost per module can be as much as 60% less than a comparable PC-based test instrument. The table on the right shows a current list of (Oi) relay configurations.

Relay Switching Solutions, is a special category of Test Instrument Modules™, that are part of the innovative ETS SERIES, EMBEDDED TEST SOLUTIONS product line. The ETS Series' products are designed for embedded operation which include direct installation inside Mechanical Test Fixtures, build custom desktop test equipment or support larger ATE test systems. The ETS Series' are board-level instrument modules that include a standard form factor of 2.50" x 2.75". These modules are controlled by an external PC (via an optional USB interface), or with one of our unique EMBEDDED TEST CONTROLLERS (i.e., the Pico-MATE). In either case, programming our instrument modules is both simple and fast. In addition to our popular relay modules, the ETS Series' products also include functions that perform Analog Conversion, Digital I/O and Special Function capabilities.

The two diagrams below highlight the typical application possibilities for (Oi) Relay Switching Solutions. The MUX-MATE is a 16 channel signal multiplexer that is used to route DUT (device-under-test), test points to an external DMM for measurement. The Switch-MATE/HC is 4 port 10A relay configuration, that is designed to switch high-current loads. *Need to expand?* We created the **SEM-MATE™**, Switching Expansion Module, it allows you to control any combination of '8' switching modules as a single group. We are also working on a awesome collection of RF switching instruments to support WiFi product test as well.

## (OI) RELAY SWITCHING SOLUTIONS

### SWITCH-MATE<sup>(vi)</sup>

8-SPST Relay Module

### SWITCH-MATE/HC<sup>(vi)</sup>

4-SPST, 10A High Current Relay Module

### SWITCH-MATE/HP<sup>(vi)</sup>

8-SPST, High Performance Relay Module

### SWITCH-MATE/HV<sup>(vi)</sup>

8-SPST, High Voltage Relay Module

### RELAY-MATE<sup>(vi)</sup>

8-DPDT Relay Module

### RELAY-MATE/HC<sup>(vi)</sup>

4-DPDT, High Current Relay Module

### RELAY-MATE/HP<sup>(vi)</sup>

8-DPDT, High Performance Relay Module

### MUX-MATE<sup>(vi)</sup>

16-Ch Signal Multiplexer Module

### MUX-MATE/HP<sup>(vi)</sup>

16-Ch Signal Multiplexer,  
High Performance Module

### MATRIX-MATE<sup>(vi)</sup>

4X4 Relay Matrix Module

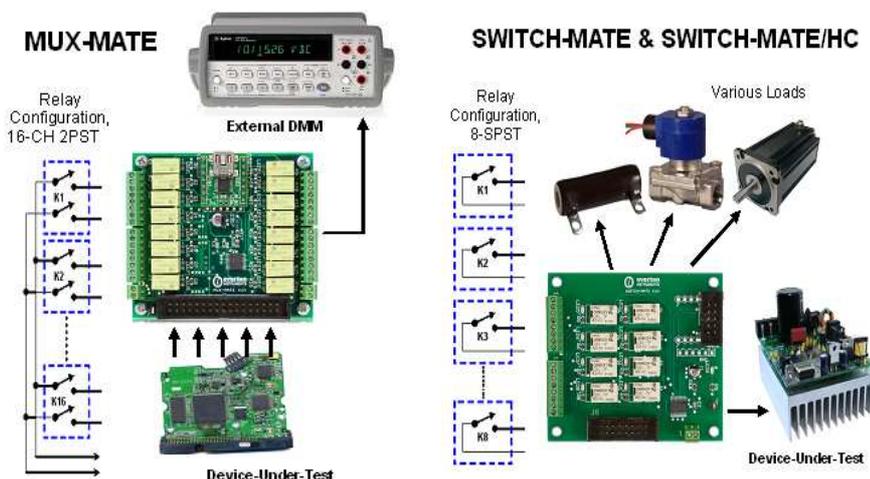
### 4WIRE-MATE<sup>(vi)</sup>

4-CH Signal Multiplexer Module



**Leo Nichols**  
Sr. Test Engineer  
ENLIGHTED INC

Leo has been building custom Functional Test equipment for many years. Like most Test Engineers, he is always on the look-out for ways to make his job easier and reduce cost. According to Leo, *"my biggest challenge is having a test platform that allows me to scale quickly. I get that with Overton Instruments. I am able to mix-n-match their instrument modules and build a cost-effective solution very quickly. I highly recommend (Oi) products"....*



"The Future of Electronics Test"