

## CUSTOM DISCRETE DEVICE TESTERS



### FULL FEATURED DEVICE TESTER

**Brief Description:**

Emerging Technologies, LLC. was called upon to develop a full features tester that could be used to supply up to 6.5 amps of DC power and provide manual switch interface for post production verification, testing, and troubleshooting of a customer device.

Emerging Technologies utilized a stock slant style instrument enclosure, 6.5 amp DC power supply, panel style replaceable fuse, discrete switches, and custom cabling and connectors. Current limited LED's were also used to indicate the power to the discrete outputs, as well as power on to the tester.

**Customer Benefit:**

The customer was able to perform post production testing on their device using the Emerging Technologies, LLC. custom designed tester. The custom tester made testing easy for the operator, as all labeling and functionality directly corresponds with the device under test.

**Components Used:**

- Customized Stock Slant Style Instrument Enclosure.
- Discrete Switches.
- Fused 6.5 Amp DC Power Supply.
- Custom Cabling.
- Custom Labeling.

### BASIC DEVICE TESTER

**Brief Description:**

Emerging Technologies, LLC. was called upon to develop a simple tester that could be used to supply up to 0.5 amps of DC power and provide manual switch interface for post production verification, testing, and troubleshooting of a customer device.

Emerging Technologies utilized a stock slant style instrument enclosure, 0.5 amp DC power supply, panel style replaceable fuse, single test switch, and custom cabling and connectors. A current limited LED was also used to indicate the power on to the tester.

**Customer Benefit:**

The customer was able to perform post production testing on their device using the Emerging Technologies, LLC. custom designed tester. The custom tester made testing easy for the operator, as all labeling and functionality directly corresponds with the device under test.

**Components Used:**

- Customized Stock Slant Style Instrument Enclosure.
- Discrete Switches.
- Fused 0.5 Amp DC Power Supply.
- Custom Cabling.
- Custom Labeling.

**Emerging Technologies, LLC.**

**Responsibilities:**

- Functional Specification Generation
- ✓ Design / Engineering
- ✓ Fabrication
- Programming – Software
- Programming – Firmware
- Field Installation
- ✓ On-Site Commissioning
- Post Commissioning Support
- Other

**Technologies:**

- Embedded Computers
- Microcontrollers
- Visual Software
- Control Software
- Data Acquisition
- Computer Based Control
- Communications
- System Integration
- ✓ Other – *Discrete Testing*

**Customer Category:**

- OEM
- ✓ Industrial Manufacturer
- Custom Equipment
- Utility
- R&D

## SPECIALISTS IN TEST, MEASUREMENT, AND DATA ACQUISITION