



**MULTI-SWITCH TESTER
MODEL MST 700
Rev 3**

1. General Description

The MST-700 is a fully automated tester designed to test Load Switches, Flashers, and Transfer Relays that are used in traffic signal installations conforming with NEMA or CalTrans Specifications. It will include a 2 GB SD Card and a SD Card Reader.

2. Operator Interface

The operator interface consists of a 4 line by 20 character vacuum fluorescent display and 3 push buttons. All test setup parameters are entered via this interface. The results of each test are shown on the display. A computer is not required.

3. Test Report

A pass / fail report is generated for each device tested. Reports may be stored as ASCII text files on an optional SD memory card. The memory card may be read by any computer equipped with a card reader.

4. Load Switch Tests

Inputs : On/Off Voltage thresholds
Inputs : Max input current
Inputs : Pull-up Voltages
Outputs : Max off-state current
Outputs : Max load current
Outputs : Min load current

5. Flasher Tests

Outputs : Off-state current
Outputs : Flashes per minute
Outputs : Percentage on time
Outputs : Overlap time

6. Transfer Relay Tests

Outputs : Continuity

7. Electrical Specifications

Operating Voltage : 120 Vac, 60Hz
Operating Current : 12 Amps full load
Cooling : Fan Cooled

8. Mechanical Specifications

Enclosure : 3U Rackmount
Dimensions : 19.3" (W) x 20.5" (D) x 5.25" (H)
Weight : 15 lbs.
Environment : Indoor laboratory use only

9. Computer Specifications

The Tester shall require a Microsoft Windows-based computer (PC) to process the supervisory software during testing process. The PC operating system must be Windows XP or newer and include a HTML browser and a PDF reader.

NOTE: The PC for use with this Tester IS IS NOT a part of this equipment specification.