



**MULTI-SWITCH TESTER
MODEL MST 700
Rev 2.0**

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.

2. Operator Interface

The operator interface consists of a 4 line by 20 character vacuum fluorescent display and 3 pushbuttons. 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