

## Conflict Monitor Testers

### Automated

**Automated through the use of a Windows® based computer.**

PCMT's test reports can be printed, saved, and stored electronically to the computer's hard drive or local network.

**Automated, Accurate True-RMS Voltage Control**

**Completely Automated Brownout & Watchdog Drop-out Test**

**Multi-Unit Test System Capability**

Multiple PCMT 2600 units may be integrated into a rack system and controlled by a single computer to allow for automated testing of multiple monitors at once.

**Test all Conflict Monitor Standards**

Standards tested include: NEMA TS1, NEMA TS2, CalTrans System 170, and System 2070.

**Only Windows-Based Tester Available**

Intelligent point-and-click software remembers previous data entries saving time and providing consistency.

**Free Software Updates on Website**

**Faster Test Time**



Model PCMT-2600 Shown

### Manual

Exact voltage and timing thresholds can be determined for any monitor type by making adjustments to the AC or DC voltages and user-selectable time intervals.

A full set of signal monitoring inputs (18 channels - RYGW) are available and can be adjusted for voltage and set to full sine wave, positive half-wave, and negative half-wave. LED indicators display the status of the Output Relays, Stop Time, Start Delay output, and the presence of Monitor Power.

Timing feature allows you to perform a full range of timing tests that you can set in 8.33 mSec intervals.



Model MMT-900 Shown



## Loop and Detector Analyzer

### 1250 Loop Detector Tester

Provides quick and convenient testing of loop and detector installations. Compatible with all NEMA and CalTrans/170 detectors, the ALSA 1250 automates over 20 tests and prints a test report all in under five minutes.

Tests can be selected one at a time or in small groups in Diagnostic mode, or a fixed set of tests are run to form the Standard Report in Normal mode.

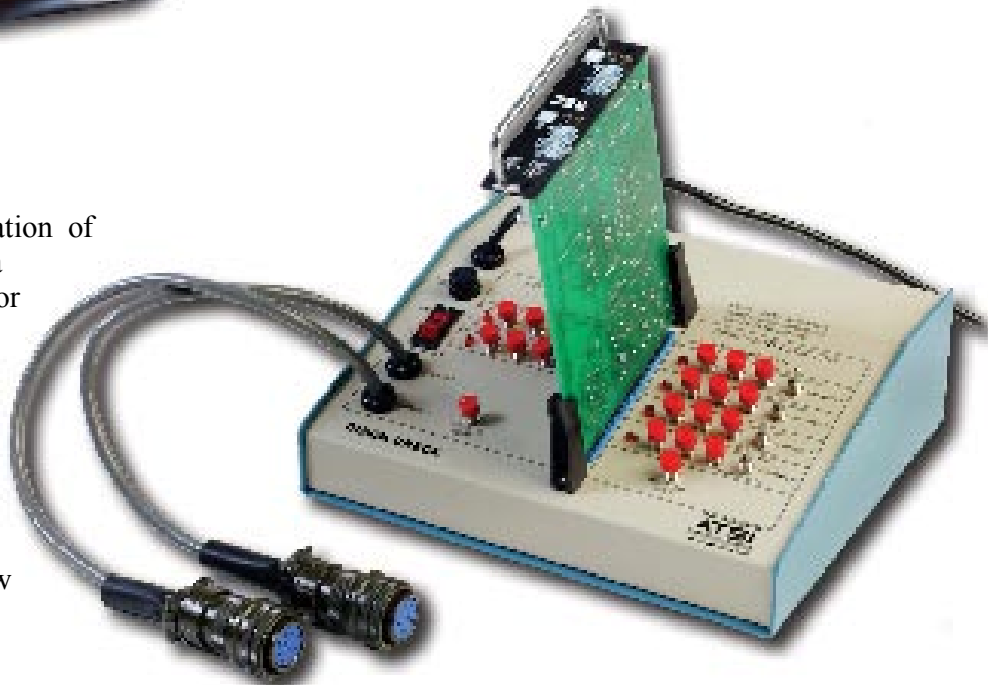
The test reports can be printed and stored at the cabinet or they can be saved to the tester and printed later once you get back to the shop. Keeping a printed copy of the report in the cabinet to be used for reference can save time and frustration when troubleshooting the loop system.

Model ALSA 1250 Shown

### Quick Check 330

The perfect tool to verify the basic operation of a detector, and either find the source of a detection failure, or eliminate the detector as a suspect, and move on to the cabinet and field wiring.

The Model 330 tests all types of rack detectors as well as one or two channel NEMA shelf mount detectors. Three levels of inductance change are provided to allow you to quickly adjust the sensitivity when installing new detectors.



Model MMT-900 Shown



## Handheld Testers Loop Test Kit

The HILT kit is a collection of state of the art tools designed to test and measure the parameters of Inductive Loops. The Kit provides accurate, reliable measurements for your most demanding troubleshooting applications. Housed in a sturdy, impact resistant case, the HILT Kit consists of the following: (Available as a kit or sold separately).

### HILT 9000 – Inductive Loop Tester



Model HILT 9000  
Shown

The model 9000 allows you to measure newly installed loops at locations without power or a detector. The tester offers a user-selectable frequency at which Q and L are measured. At power-up, the frequency is pre-set to 50kHz and can be easily changed from 20KHz to 80KHz range using the keypad. Sensitivity settings allow you to use the finder at waist level (high sensitivity) and closer to the ground for greater accuracy (low sensitivity).

### LF 22 – Loop Finder

Provides the ability to “see” the electromagnetic field given off by an active inductive loop and provide a visual indication of the loop’s signal strength.



Model LF-22  
Shown

### Model 1026 – Megohmmeter

Provides insulation measurements at 3 different voltage levels: 250V, 500V, and 1000V. Measure insulation resistance up to 4000M Ω.



Model 1026  
Shown



HILT Kit

## Surge Suppressor Tester

The SST 450 quickly tests all surge suppressors commonly used in the Traffic Signal Industry. Testing and replacing surge suppressors saves your agency money by reducing “nuisance calls”, as well as the repairs and/or replacement of damaged controllers, monitors, and power supplies in your cabinets.



Model SST-450 Shown

Optional Adapter Module for Plug-in Style Suppressor



SST-Adapter Shown



## Handheld / Desktop Testers



Model 3731 Shown    Model 3711 Shown

### Clamp-On Ground Resistance Testers

#### Determine a Ground Reading for your Cabinets in Seconds

Now, with the Model 3711/3731 Clamp-on Ground Resistance Testers, you can measure ground rod and grid resistance in any environment without the use of auxiliary ground rods and without disconnecting the ground under test. By performing measurements on installed ground systems, you are verifying the quality of the grounding connection and bonds. Did you realize that a newly installed surge suppression device is rendered useless if your cabinet is not properly grounded? Do not wait for damaged controllers and power supplies to inform you of a bad ground.

### Controller Test Box

#### Verify a TS2 or 2070 Controller without the Cabinet

The TestBox gives you the ability to watch your controller in action from the comfort of your desktop.

The TestBox allows you to verify correct programming and simulate full operation of the controller. The signal timings and progression can be checked under multiple scenarios prior to installing the Master or Secondary controller in the field.

**The TestBox is fully compatible with the following controllers:**

#### TS2

- Eagle/Siemens EPAC 300, Genesis M40, M50
- Econolite: ASC/2-1000, ASC/2-2100
- Naztec: 980, 981
- Peek: TS2 3000

#### 2070

- Any controller using a 2N or 2C field I/O card
- An adapter cable for the 2070-2B TS1 Field I/O is also available



Model TS2/2070 Shown



Model MST 700 Shown

### Multi Switch Tester

The easy-to-use MST 700 performs a series of automated tests in a matter of minutes. With a simple three button interface and on-screen prompts, testing of Load Switches, Flashers and Transfer Relays is possible. A new option provides you with a Device Warm-up Feature which applies a 10 Amp load to the device for up to 30 minutes prior to testing



## BIU, Counter & Classifier Testers



**Model BIUT 800 Shown**  
*Printer Optional*

### Bus Interface Unit Tester

The fully-automated BIUT-800 tester performs over 700 tests on the NEMA TS2 BIU and gives you a summary of the results in under 10 minutes. The BIU is tested in all 8 modes defined by NEMA, so a passing unit can be used in any position in the cabinet. The results are saved in memory and can be printed using the compact printer (sold separately), or saved to your PC.

## Counter & Classifier Testers

The ATRTs are designed to simulate any type of highway traffic passing over an array of traffic sensors. Through the Windows interface application, you can reproduce your field sensor setup and then choose test parameters such as:

- **Test Duration:** Choose between Set # of Vehicles or Internal Test
- **Vehicle Speeds and Bins:** Create speed bins to match your counter
- **Vehicle Definitions:** Use the included pre-defined FHWA vehicles or create and save your own user-defined vehicle definitions



**Model ATRT 1700 Shown**

The **Model 1700** capabilities include sensor setup for loops, piezo sensors, air tube, and tape switch closures.

**Model ATRT 1150 Shown**



The **Model 1150** can test recorders with up to 4 air tube outputs. This model also includes a feature to adjust the strength of the airpulse from the tester to help you determine the sensitivity of the counter's air switch.