



**BENCHTOP INDUCTIVE LOOP DETECTOR TESTER
MODEL QC330
Rev 2.0**

- 1) The tester shall be capable of testing rack-mounted detectors which conform to the following published standards: NEMA TS1-1989, Section 15, Type 7 (2 Channel) and Type 8 (4 Channel); NEMA TS2-1992, Section 6, Types A and C, (2 Channel) and Types B and D, (4 Channel); and CALTRANS/FHWA System 170 Model 222 and Model 224.

The tester shall also be capable of testing shelf-mounted detectors which conform to the following published standards: NEMA TS1-1989, Section 15, Type 1 and Type 2 (Single Channel) and Type 3 and Type 4 (Two Channel).

- 2) The tester shall provide a 22/44 card-edge connector to support the detector during testing and make all electrical connections to the rack mount detectors. The tester shall also provide two ten-pin MS3106A-18-1S type connectors, which make all electrical connections to the shelf mount detectors.
- 3) The tester shall be housed in an impact-resistant enclosure (10 in. X 9 in. X 4 in. high) which supports all pushbuttons, indicator lamps, and connectors. The tester shall include the operating instructions. Weight shall not exceed 8 lbs.
- 4) The tester shall provide the appropriate power to the detector and three fixed levels of input signal to each detection channel of the detector. The output (call) status of the detector channel shall be monitored by the tester with a visual indicator (LED). The tester shall include a reset pushbutton to reset the detector after the operator makes sensitivity adjustments while the detector is under power.
- 5) The tester shall operate on 105 to 130 VAC, 60 Hz power. An on-off rocker switch and power fuse shall be accessible on the front panel of the tester.
- 6) Signal levels provided to the input pins of the detector shall correspond to the NEMA-specified inductance changes (Delta L/L) defined to represent a small motorcycle (0.13%), a large motorcycle, (0.32%), and a passenger car (3.2%).
- 7) The tester shall be covered by a 12 month limited mail-in warranty from the manufacturer covering all parts and labor.