Civacon Model 1386
Opti-Therm Rack Tester

Instructions Sheet

Manual Part Number: H52403PA

PHONE: (800) 547-9393 • (513) 696-1500 • Fax: (800) 245-8536 • (513) 932-9845
2726 Henkle Drive • Lebanon, OH 45036 • **www.opw-es.com**

June 2013

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API = American Petroleum Institute
IS = Intrinsically Safe

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1. Product Description

The model 1386 Rack Tester is capable of testing Optic and Thermistor Rack Monitors. Its ease of use, portability and flexibility provide the user with confidence that rack equipment is operational. The 1386 simulates the standard signals provided by a truck's overfill protection system.

2. Features and Benefits

- Tests Both Optic and up to 8 Thermistor Inputs to Rack
- Periodic and Routine Testing – System Verification Occurs Without Trucks Being Present
- Troubleshooting Situations – Can Be Used to Prove Rack Equipment When a Truck Will Not Load
- Provides a Standard Reference Signal
- Provides Indication of Power from the Rack
- Tests Ground Verification Circuitry

3. Optional Accessory

Shoulder Strap – CIVACON Part Number H52411M

WARNING:

Civaon model 1386 tester provides intrinsically safe outputs for connection to all civaaon optic and thermistor rack monitors. Use in non-hazardous situations only!

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4. Test Procedures

Refer to Figure 1 for panel indicators and switch positions. If further assistance is needed while performing any of the following tests, call OPW Engineered Systems for technical assistance: 800-547-9393.

4.1 Ground Verification Testing

This test is for rack monitors equipped with Ground Verification.

1. Press the GROUND VERIFY switch on the 1386 tester. Verify that the Ground Verification light comes on the rack.

NOTE: On some Rack Monitors, the Ground Verification test must be conducted at the same time the OPTIC or THERMISTOR test is conducted in order to achieve PERMIT condition.

4.2 Optic Testing

1. Connect the BLUE plug on to the BLUE Optic socket on the 1386 tester. The RED power light will come on to indicate that the power supply from the rack is active.
2. Press the GROUND switch if your rack has Ground Verification capability. Press the OPTIC PERMIT switch. The RED light on the Rack will turn off and the GREEN PERMIT light will come on. This will complete the test of the optic circuit.

4.3 Thermistor Testing

1. Connect the GREEN plug on to the GREEN Thermistor socket on the 1386 tester. The RED power light will come on to indicate that the power supply from the rack is active.
2. Press the GROUND switch if your rack has Ground Verification capability. Press the THERMISTOR PERMIT switch. The RED light on the rack will turn off and the GREEN PERMIT light will come on. This will complete the test of the thermistor circuit.

FIGURE 1

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11. Warranty

All parts and products are thoroughly inspected and tested from the time raw material is received at our plant, until the product is completed. We guarantee that all products are free from defects in materials and workmanship for a period of one year from the date of shipment. Any product that may prove defective within said one year period will, at our option, be promptly repaired, or replaced, or credit given for future orders.

This warranty shall not apply to any product which has been altered in any way, which has been repaired by any party other than an authorized service representative, or when such a failure is due to misuse or conditions of use. We shall have no liability for labor costs, freight costs, or any other cost or charges in excess of the amount of invoice for the products.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND SPECIFICALLY THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

WARNING:

OPW Engineered Systems' products should be used in compliance with applicable federal, state, and local laws and regulations. Product selection should be based on physical specifications and limitations, compatibility with the environment, and the material to be handled. OPW Engineered Systems makes no warranty of fitness for a particular use.

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