

MICRO PCII – Class “LAP”

LARGE AUTOMATIC PROVING SYSTEM



 CAN-TRONICS

GAS MEASUREMENT AND CONTROL INC.

Manufacturers of: Custom Transfer Provers, NoBELL Provers, Dry Leak Testers,
Regulator Testers, Bell Provers & Custom Meter Shop Management Software

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TECHNICAL DATA :

- METER TYPE TESTED
 - Rotary (Optional Turbine & Ultrasonic)
- BLOWER CAPACITY
 - 23,000 CFH (Determined by Master Meters)
- TEST RANGE
 - Determined by Master Meters
- OPERATING TEMPERATURE RANGE
 - 32F to 140F (0°C to 60°C)
- TEMPERATURE EFFECT
 - Compensated
- PRESSURE EFFECT
 - Compensated
- HUMIDITY EFFECT
 - Compensation Not Required
- HUMIDITY RANGE
 - 5 to 95% Non-Condensing
- ACCURACY
 - 0.2% to 0.4% (Based on Configuration and Master Meter)
- REPEATABILITY
 - 0.15%
- AUTOMATIC LEAK TEST CYCLE
 - User selects sensitivity and duration of the leak test
- TEST SEQUENCE
 - Microprocessor controlled, User selectable
- TEST RESULTS
 - Displayed on LCD Touch Screen Monitor
 - (%Proof, %Accuracy, %Error, %Correction)
- POWER INPUT
 - 3 Phase 240/460 VAC \pm 10%, 50/60 Hz
- TEST TIME
 - Determined by Volume & Flow Rate of Meter Under Test
- TEST CYCLE
 - Automatically Controls Blower Speed to Maintain Selected Flow Rate
 - Automatically Starts and Stops Test Cycle
- LOW MAINTENANCE

TECHNICAL FEATURES :

This prover is equipped with an automated table and clamping mechanism which assists the operator in positioning the meter prior to the test. This in turn increases productivity as the operator does not have to take the time to connect an external hose, pressure fittings, temperature fittings as well as the time consuming process of connecting an external flange with bolts and washers. The operator places the meter on the table, raises the table via a table adjustment lever and aligns the pneumatic clamping mechanism to the meter. Once the meter is in position, the operator starts the test via interaction with a touch screen LCD monitor.

All calibration and setup data is stored on the prover's computer for easy backup and data recovery. Operations are menu driven with a series of graphical screens that guide the operator step by step through the complete test. The software is installed on PC operating under Microsoft Windows®. A 24-bit A/D converter, capable of 1 part in 16777216 resolution is used in the pressure and temperature circuits. The software can be customized with the customer's data format when communicating test data with the main server computer. This prover also features a Vacuum Leak Test and High Differential Alarm.

- Traceability to Recognized Standards
- Pressure sensing is accomplished via precision pressure transducers for accuracy and stability
- Temperature sensing is accomplished via precision thermistors for accuracy and stability
- Software customizable to customer requirements

OPTIONS:

- Photo Eye Sensor
- Manual Start/Stop Thumb Switch
- ID Drive Pulser
- Electronic Module Pulse Input Adapter
- Bar Code Reader
- MTR-II Meter Shop Management Software Designed to meet Customer Specifications