

# MICRO PCII - Class "B-R" Portable

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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## LARGE AUTOMATIC PROVING SYSTEM

### TECHNICAL DATA :

- METER TYPE TESTED
  - Rotary, Large Diaphragm, Ultrasonic & Turbine (Based on Customer Requirements)
- BLOWER CAPACITY
  - 18,000 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
  - User controlled, User selectable
- TEST RESULTS
  - Displayed on Laptop Computer
  - (%Proof, %Accuracy, %Error, %Correction)
- POWER INPUT
  - 120/240 VAC  $\pm$ 10%, 50/60 Hz
- TEST TIME
  - Determined by Volume & Flow Rate of Meter Under Test
- TEST CYCLE
  - User Controls Blower Speed to Maintain Selected Flow Rate
  - Automatically Starts and Stops Test Cycle
- LOW MAINTENANCE
- MOBILE TEST CART

### TECHNICAL FEATURES :

All calibration and setup data is stored on the provers 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
- Portable Cart: All aluminum construction c/w 10" pneumatic wheels
- Custom electronic console (structured resin case)
- GFI receptacle box
- Tool Case with inlet fitting for Field Meter, outlet fitting for Field Meter and Leak Test fitting.

### OPTIONS:

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