DOMESTIC NoBELL

AUTOMATIC GAS METER PROVING SYSTEM

TECHNICAL DATA :

- METER TYPE TESTED	- Diaphragm Meters (Imperial & Metric)
	- 200, 400 & 600 class meters
- TEST MEDIUM	- Air at room temperature
- AIR FLOW RATES	- 28 - 1000 CFH
- WORKING TEMPERATURE RANGE	- 32°F to 122°F (0°C to 50°C)
- TEMPERATURE EFFECT	- Compensated
- PRESSURE EFFECT	- Compensated
- HUMIDITY EFFECT	- Compensation Not Required
- 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
	- (%Proof, %Accuracy, %Error, %Correction)
	- Accept or Reject Indication
	- Differential Pressure reading displayed during test
- POWER INPUT	- 120 VAC ±10%, 50/60 Hz, (Shop Supply)
- TEST TIME	- Determined by Volume & Flow Rate of Meter Under Test
- AIR SUPPLY	- 60 – 100 PSI (Clamp Arms)
- COMMUNICATION	- RS485, RS232 or Networking (If Required)
- AUTOMATIC TEST CYCLE	- Automatically Controls Blower Speed to Maintain Selected Flow Rate
	- Automatically Starts and Stops Test Cycle
- LOW MAINTENANCE	
- MOBILE TEST STAND	
- REFERENCE METER	- 1M

TECHNICAL FEATURES :

The NoBELL prover is a stand-alone unit, designed to test diaphragm meters without the use of a bell or costly vacuum pumps. 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 a 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
-Copper/Aluminum Valve Train prevents corrosion and rust accumulation
-Check Meter Correlation Feature
-Pressure sensing is accomplished via precision pressure transducers for accuracy and stability
-Temperature sensing is accomplished via precision thermistors for accuracy and stability
-Not sensitive to meter dirt
-The most flexible Proving System available
-Incorporates a Sinusoidal Expansion Chamber to dissipate Master Meter pulses
-Software customizable to customer requirements

OPTIONS:

- Bar Code reader
- Sonix® Meter Testing
- Modem for Remote Access
- MTR-II Meter Shop Management Software designed to meet customer specifications
- Internal Diaphragm Sensor Testing