

Portable Hygrometer from Kahn

The Kahn Companies have just announced the release of their newest portable hygrometer product - the HygroPort Portable Hygrometer. This unit replaces their Cermox Portable Hygrometer. It is a fast responding, easy to use portable instrument for measurement of dewpoint and moisture content of compressed air and other gasses.

Features:



- Dewpoints from -148°F to +68°F
- Rugged thermoplastic case; NEMA 4 rated
- Digital display, user selectable ranges and units
- Fast-responding internal sensor
- Second process input channel (4-20 mA) for external transmitters

- Internal data logging facility for up to 320,000 points
- Bluetooth wireless interface to application software
- 1/8" NPT inlet and outlet gas connections; stainless steel gas wetted parts
- 20 micron stainless steel sintered disk filter in the inlet port
- Pressure and temperature compensation capabilities
- Click [here](#) for a product data sheet.

Applications:

Moisture measurement applications, including compressed air monitoring, desiccant and refrigerant dryer testing, high voltage switchgear SF6 testing, industrial furnaces and heat treating, environmental test chambers and bottled gas moisture content verification, conditioning, or solar hot water systems

Badger-Data Industrial 380 Series BTU Flow Measurement System

The Badger® - Data Industrial Series 380 BTU Flow Measurement Systems provides a low cost system for metering energy flow in closed-loop hot or chilled water systems. The 380CS/HS can accurately measure liquid flow and temperature differential to compute energy. Utilizing either BACnet or Modbus RS-485 communications protocols, or a scaled pulse output, the BTU Meter can interface with most existing building management or monitoring systems. The following Information can be transmitted on the RS-485 data link: Flow Rate, Flow Total, Energy Rate, Energy Total, Temp 1, Temp 2, and Temperature Differential.

The rugged design incorporates a flow sensor with stainless steel impeller and tungsten carbide shaft, two RTD temperature sensors, and integral electronics. One temperature sensor is conveniently mounted directly in the flow sensor tee. The second temperature sensor is inserted in either the supply or the return line depending on the application. The fewer connections simplify the installation and reduce costs. Flow sensors are available in ¾" to 2" line sizes.

With this system it is possible to meter energy where it hasn't been cost effective before. Set-up of the flow measurement system is easily accomplished using free software and a standard USB to mini-USB cable.

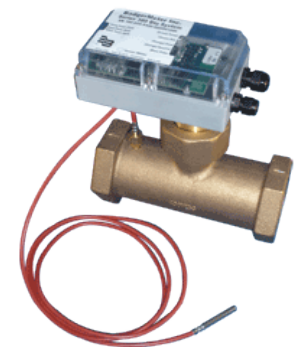
Click [here](#) for a product data sheet.

Industries:

- Apartment Buildings
- Campus/Institutional Facilities
- Office Parks
- Retail Shopping Centers
- Shared R&D Facilities
- Smart Buildings

Applications:

Measure and manage energy consumption such as usage of space heating or process hot water, air conditioning, or solar hot water systems





Mercury Vapor Indicator from Ion Science- *Continuous Detection*

The **Mercury Vapor Indicator** rapidly detects and continuously measures mercury vapor. The revolutionary dual beam technology means the instrument does not saturate or require regeneration between readings like the traditional gold film detection methods, ensuring instrument downtime is eliminated.

Fast and accurate, MVI gives a real time response within just 3 seconds. Ready to detect instantly, MVI provides continuous readings and offers two detection ranges: 0.1 to 200 and 1.0 to 1999 mcg/m³.



MVI utilizes a high performance pump for fast indication and recovery. The instrument's audible alarm and large digital display clearly indicate the levels of mercury present.

Available in two models:
- Portable indicator for field and job site detection and monitoring.
- Fixed transmitter for long term reading and monitoring.

Features:

- Dual beam UV absorption technology
- No saturation, no regeneration – eliminates instrument downtime
- Fast, 3 second response
- Range: 0.1 to 200 and 1.0 to 1999 mcg/m³
- Highly accurate measurement
- Continuous, 24 hour readings
- High performance pump for fast indication and recovery
- Ready to detect instantly – no warm up required
- PTFE probe with moisture trap filter
- Large digital display
- Simple, one-handed operation
- Audible alarm
- Robust portable and fixed options available
- Low annual calibration cost
- Click [here](#) for a product data sheet.

Two models available:

Portable Indicator for Mercury Vapor, PN# 703-011, \$8995
Automatic Mercury Indicator, PN# 900-001, \$10,995

Applications include:

- Manufacturing
- Recycling
- Mining
- Petroleum
- Bioremediation
- Hydrocarbon
- Refining
- Fluorescent lamp reprocessing plants

Calibration Gases

We offer on-line ordering for hundreds of **common gases** in a variety of sizes, all in disposable cylinders. Refillable cylinders are also available. All have guaranteed NIST traceable accuracy.

Special orders are available for additional gases and mixes not featured. Regulators are sold separately.

Don't know what to do with those expired cylinders? Feel guilty throwing used cylinders in the trash? Our gas cylinder recycling program will help you do the right thing! Simply ship your empty cylinders to us and we'll apply a \$10 credit for each cylinder returned towards the purchase of any new cylinder of calibration gas.

NOTE: Cylinders must be completely emptied before being shipped - pressurized cylinders must be shipped as hazardous materials, and violating

this is dangerous and can result in expensive fines. Empty cylinders can be shipped as a regular package.

Don't have a way to completely empty a cylinder? Our **cylinder emptying tools** release all of the gas in the cylinder and then push in the regulator pin, assuring you (and your shipping company) that the cylinder is completely empty.

To find out more about this program, please call (978) 532-7330 or email sales@ESafetyInc.com.



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