# VentIntel™

## The Industry's Smartest Ventflow Prover

## Why VentIntel?

The VentIntel™ Gas Meter is our industry-leading **well abandonment & ventflow prover testing kit** developed to assist with this all too common problem, by giving producers real-time, quantitative measurements of well vent leaks, allowing teams to confidently confirm —or rule out—suspected leaks.

Designed to measure and digitally log low flow vent gas, such as methane, with high accuracy. Typical applications are surface casing vent, pneumatic control gas usage, and any vent gas where either high accuracy vent gas measurement or audit trails are required.

## Key Features

### Your Solution for Low Flow Vent Gas Measurement

- All data and settings logged for Audit Trail
- PDF reporting of data
- Fuel gas rate accuracy less than +/- 2%
- Sample rates as fast as once per second
- Calibrated from -40°C to +60°C
- Gas Equations AGA8 and AGA7
- Certified for Hazardous Location Class I Div1
- Able to measure methane gas on pneumatics, surface casing vent and most any gas venting
- Optional 2nd pressure sensor and 24hr flow timer for surface casing buildups
- Stainless Steel Frame and Piping for low maintenance

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## Specifications

*Figure 1. VentIntel Gas Flow Testing Kit in the field*

**Silicon Pressure Sensors**

- Build Up Pressure Ranges: 1500, 3500 psig
- Pressure Accuracy: 0.024 % full scale
- Pressure Resolution: 0.0003 % full scale
- Pressure Drift: <0.01 % full scale/year
- Flowing Pressure Range: 270 psia
- Pressure Accuracy: 0.040 % full scale or ±0.11 psi (0.744 kPa)

**Flowing Temperature Probe (RTD)**

- Temperature Accuracy: ±0.4°C (20.20°C typical)
- Temperature Resolution: <0.05°C

**AC-250 Diaphragm Meter**

- Flow Accuracy: ±1%
- Flow Resolution: 0.025 cubic feet (0.000708 $m^2$)
- Max Flow at 0.5 in$H_2O$ Diferential: 6000 acf/day (170 $am^2$/day)
- Max Flow at 2.0 in$H_2O$ Differential: 12000 acf/day (340 $am^2$/day)
- Minimum Constant Flow rate: 0.5 acf/day (0.028 $am^3$/day)
- Max Allowable Working Pressure: 10 psig

**Back Pressure when Measuring Pneumatic Instruments**

- <2.0 inH,0 total at 250 scf/hour using Pneumatic Accessory Kit
- Atmospheric pressure normally varies by ±3.5 kPa (±14 inH,0)

**Gas Equations**

- AGA7 and AGA8-92 Detailed or Gross

**Certified Safety Compliance**

- C22.2 No O-M 1991: Canadian Electrical Code Part II
- C22.2 No 157-M 1992: Intrinsically Safe and Non-Incendive
- Equipment for Use in Hazardous Locations
- UL 913, Sixth Edition: Intrinsically Safe Apparatus and Associated
- Apparatus for use in Class I, II, III, Division I, Hazardous (Classified)

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