

# INTRODUCING THE HETEK FLOW SAMPLER

**OUR SOLUTIONS.  
YOUR SAFETY.**

Hetek Solutions Inc  
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To order call:

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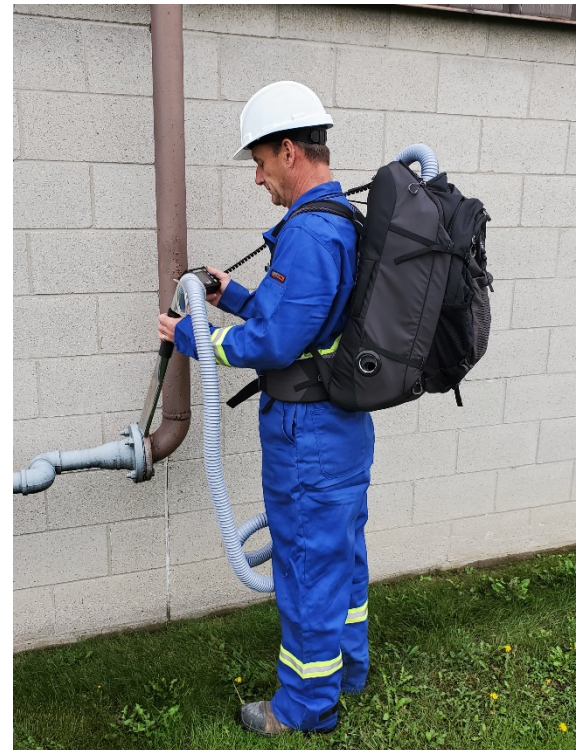
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www.hetek.com  
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This portable, intrinsically safe, battery-powered instrument will give you the ability to accurately measure leak rates at various natural gas components. This is accomplished by sampling at a large flow rate to completely capture all the gas leaking from the component. By accurately measuring the flow rate of the sampling stream and the natural gas concentration within that stream, the gas leak rate is calculated in CFM or LPM.



THE HETEK FLOW SAMPLER IS AN INTEGRAL PART OF YOUR FUGITIVE EMISSIONS TOOLKIT ALONG WITH:



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MADE IN CANADA

**HETEK**  
SOLUTIONS INC. 

## TECHNICAL SPECIFICATIONS

Specification	Value
Display Information	<ul style="list-style-type: none"> <li>• Date and Time</li> <li>• Battery Level</li> <li>• Sample Concentration</li> <li>• Background Concentration</li> <li>• Blower flow rate</li> <li>• Difference between 2 stages</li> <li>• Leak Temperature</li> <li>• Quantified Leak Rate</li> </ul>
Display Screen Size	3-inch LCD Display
User Controls	4 Pushbutton keys: ESCAPE; ↑ (up arrow); ↓ (down arrow); ENTER
Data Output	Data log file and Calibration log file (.CSV format)
Memory	800 records for Data; 1000 records for Calibration
Communication	USB cable from Hetek Flow Sampler to a digital device
Measured Values	<ul style="list-style-type: none"> <li>• Blower Flow Rate</li> <li>• Battery Level</li> <li>• Sample Gas Concentration</li> <li>• Background Concentration</li> </ul>
Calculated Values	<ul style="list-style-type: none"> <li>• Quantified Leak (Stages 1 and 2) – CFM or LPM</li> <li>• Difference between stage 1 and stage 2 (Automatic and Manual)</li> </ul>
Humidity	0 – 95% relative humidity (non-condensing)
Operating Temperature	- 10°C to 45°C (11°F to 113°F)
Storage Temperature	- 20°C to 45°C (-4°F to 113°F); - 40°C to 90°C (without battery)
Blower Flow Rate	Maximum ≈ up to 9.0 CFM (255 LPM) at full battery charge Stage 2 is 70 – 80% of the flow rate of Stage 1
Methane Sensor	Catalytic Oxidation Mode: 0 to 5% by volume methane Thermal Conductivity Mode: 5 to 100% by volume methane
Battery	Standard Quantity: Two (2) with every Hetek Flow Sampler 4.8 V Nickel-Cadmium Rechargeable Battery Run Time: > 5 hours (per battery) Recharge Time: 12 hours
Electrical Parameters	U <sub>m</sub> = 5.36 V P <sub>i</sub> = 15 W L <sub>i</sub> = 50 μH C <sub>i</sub> = 100 μF
Weight	Enclosure and Display : 19.90 lbs (9.05 kgs)
Dimensions	Enclosure: 12" L x 16" H x 7.5" D (30.48 cm L x 40.64 cm H x 19.05 cm D)
Flow Measurement	Differential pressure across orifice
Accuracy	Sensor: ± 5% Flow Rate: ±5% Calculated Leak Rate: ±10%
Design Governance	CSA C22.2 No.60079-11:14 Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i" ( <i>Certification pending</i> )

### ITEMS WITH APPLICABLE PART NUMBERS

#### **HETEK FLOW SAMPLER WITH INCLUDED ITEMS BELOW: PART #1840-0000**

**INCLUDED:** Backpack and Accessory Bag (1840-0058), 2 Batteries (1840-1003), Crevice Tool (1840-1082), Cone Collection Tool (1840-0061), Sample Collection Bag (1840-0059), 6-foot hose (1840-2004), 12-foot hose (1840-2005), Flange Tool (1840-0060), Communication USB cable (1840-1067).

**OPTIONAL:** Filters (6100-6119), Calibration Kit (1840-0013), Battery (1840-1003).

