

BACHARACH
The Measurable Difference

product leaders training service reliability

Gas Hunter™

The ultimate in
gas leak detection



Gas Hunter™

On the lookout for leaks.

In the field, the Gas **Hunter** does the job of seven individual instruments to optimize technician efficiency in leak survey operations and customer service calls. It is able to sniff out combustible gases from part per million levels to 100% volume through auto-ranging. Sensitive and compact, it requires minimal operator training.

The First Responders Best Friend In The Field

- Multiple functions: seven instruments in one small package
- Simple operation
- Auto-zero at start up
- Auto-ranging in combustible gas mode
- 3 ranges of sensitivity – PPM, LEL and % gas by volume
- State-of-the-art patented sensor technology: one combustible sensor for PPM thru 100% gas by volume
- Confined space protection for 3 gases
- Audible and visual alarms
- Pressure and draft measurements
- Ambient and air-free carbon monoxide capability
- Superior on-board diagnostics
- Intrinsically safe
- Compatible with Bacharach's docking station
- Low cost of ownership
- Manufacturer of instruments for the natural gas industry for over 50 years
- Made in the U.S.A.
- Backed by Bacharach's commitment to quality, service and reliability

Seven Instruments in One Small, Rugged Package

Leak Search

The PPM range of the Gas Sampling mode offers visual, segmented bar-graph, and audible detection of natural gas leaks from 50 ppm to 2,500 ppm. The **Hunter** serves as an excellent tool for tracking down small leaks; replacing messy soap bubble solutions and broad-band MOS type instruments.

Leak Survey

Higher concentrations of natural gas are easily measured from 0.2 to 100% volume gas with no operator intervention. Auto-ranging makes leak investigations and bar-holing operations simple through Bacharach's patented sensing technology. This minimizes operator training and eliminates confusing range settings, over-range messages and damage to catalytic sensors as a result of high gas concentration exposure.

Carbon Monoxide Calls

The 0-1000 ppm carbon monoxide function eliminates yet another instrument that the First Responder must carry on the job. Residential CO surveys are reliably and easily performed with the Gas **Hunter**. In addition, oxygen and combustible gas levels are monitored simultaneously, but displayed through individual readings.

Air-Free Carbon Monoxide

In some situations, ambient measurement of carbon monoxide alone may not be adequate. ANSI Z21.1 standard requires an Air-Free calculation for appliance emissions in furnace flues, oven vents and space heaters. Both ambient and air-free carbon monoxide measurement are readily available in the Gas **Hunter**.

Confined Space Entry

In the safety mode, audible and visual alarms are activated at OSHA preset levels for combustibles (in the lower Explosive Level), carbon monoxide and oxygen (in enriched and deficient atmospheres). The Gas **Hunter** serves as a trusty watchdog for technicians working in vaults, trenches or other confined areas.

Pressure Monitor

Who is to say that a combustible gas detector must be limited to just detecting gas? The addition of low range (0.0 to 27.7" wc) pressure function further separates the Gas **Hunter** from the competition. Aside from one less tool to carry to the worksite, this function eliminates the use of messy liquid monometers and erratic spring gauges. It gives the service tech the convenience of quick, accurate gas pressure checks on regulators and appliance manifolds.

Draft Gauge

In the flue mode, the **Hunter** offers yet another tool alternative in the 0.00 to negative 28" of water column draft function. This enables the service technician to utilize a more accurate and sophisticated method to check draft in hot water tanks and furnace flues.



Leak search application



Bar-holing application

Ordering Information

Part #	Description
55-8001	Gas Hunter Kit includes: 4' polyurethane coiled hose with 10" aluminum probe assembly, 3 AA alkaline batteries, laminated methane/pressure reference card and 2 inlet filters.
55-3001	30" plastic bar hole probe
3474-1210	30" aluminum bar hole probe
55-0063	Water trap/filter assembly for barholing applications
55-8005	Flue probe assembly with sample and draft lines, a water trap/filter assembly and quick connect fittings
24-1107	Water trap/filter assembly for flue probe 55-8005
07-1644	Filters, package of 3 for 24-1107 water trap and 55-0063 water trap
55-7100	Foam filters for standard 10" aluminum probe assembly and barhole probes. Box of 10
55-7400	Charcoal filters for standard 10" aluminum probe assembly and barhole probes. Box of 10
55-0045	Inlet filters for instrument (package of 2)
55-0046	Gas sampling tubing coupler
55-0038	Pressure tubing assembly with 1/8" quick connect socket
55-0087	Soft carrying case w/strap
55-0039	Hard ABS plastic carrying case
55-8002	Calibration kit (less calibration gas) includes on-demand regulator, 3 feet of 1/4" tubing, and a quick-connect female fitting
55-0068	Calibration gas, 2.5% Methane, 100 ppm CO, 18.5 O ₂ in Nitrogen, 103 L Tank
55-0060	Calibration gas, 100% Methane, 58 L Tank
51-7131	Calibration gas, zero air, 20.9% O ₂ in air, 103 L Tank
51-1121	Calibration gas, 2.5% Methane in air, 103 L Tank
51-1994	Calibration gas, 100 ppm Carbon Monoxide in air, 103 L Tank
55-0040	Combustible gas sensor
54-7001	Oxygen sensor
54-7003	Carbon monoxide sensor

Specifications

Measurement Ranges	Natural Gas PPM: 0 - 2500 ppm LO%: 0.2 to 5.0% vol. gas HI%: 0 to 100% vol. gas	Pressure/Draft <i>Pressure:</i> 0.0 - 27.7 in H ₂ O <i>Draft:</i> autoranges between -0.01 to -0.99, -1.0 to -9.9 -10 to -28 in H ₂ O
	Carbon Monoxide 0 - 1000 ppm in 1 ppm increments	Oxygen 0.0 - 25.0% vol.
Calculated Ranges	CO Air-Free 0 - 9,999 ppm	
Accuracy	Natural Gas LO%: ± 0.3% gas HI%: ± 3% gas	Pressure ± 3% or ± 0.2 in H ₂ O of reading, whichever is greater
	Carbon Monoxide ± 5% of reading or ± 3ppm, whichever is greater	Oxygen ± 0.5% O ₂
Warm Up Time	1 minute	
Response Time	Gas: 20 seconds to 95% of final value O ₂ : 20 seconds to 95% of final value CO: 20 seconds to 95% of final value Pressure: < 3 seconds to 95% of final value	
Operating Environmental Conditions	-4 to +122° F (-20 to 50° C) 10 to 90% R.H. (non-condensing)	
Case Material	Anodized aluminum extrusion with rubber bumpers on end caps	
Size	4.7 x 2.3 x 4.35 inches (11.9 x 5.8 x 10.9 cm)	
Weight	29 ounces (822 grams) without probe assembly	
Batteries	3 - AA disposable alkaline batteries	
Battery Life	Typically 6-8 hours of continuous operation	
Agency Approvals	MET lab certified to UL913 and CSA C22.2-157, intrinsically safe for use in Class I, Division 1, Groups A, B, C & D hazardous areas	
Warranty	1 year, including sensors	



The Gas **Hunter** includes a 10" gas sampling probe, coiled gas tubing with quick-connect fittings, 2 inlet filters, 3 AA batteries and a pocket size pressure and gas conversion card. In addition, a wide range of accessories are available such as a hard carrying case, a soft carrying case, a service line pressure kit, a flue probe, a water trap and 30" barhole probes.



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