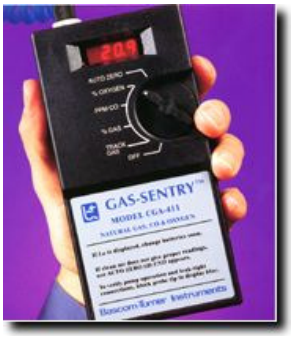
THE GAS-SENTRY®



Reliable, accurate, highly portable gas detector specifically designed for service personnel

The Sentry features a calibrated, fast Track Gas scale, which displays in gas 0.01% intervals. Operation is easy with a single selector switch, audible and visible alarms for all monitored gases, and a bright, efficient LED display visible at 20 feet. The Sentry comes in a tough package weighing only 20 oz.

The Sentry is available in 12 models, which differ in gases detected (natural gas, propane, combustible gas, CO, O_2, H_2S) and display method for natural gas, propane or combustible gas (% LEL and % GAS or % GAS only). The models can be summarized as follows:

	% LEL and % GAS	% GAS only
Natural gas	CGI-201	CGI-211
Propane	CPI-201	—
Natural gas and CO	CGC-301	CGC-311
Propane and CO	CPC-301	—
Natural gas and O_2	CGO-321	—
Natural gas, CO/H_2S and O_2	CGA-411	CGA-412
Combustible gas, CO/H_2S, O_2	CGA-401	—
Combustible gas, CO/H_2S, O_2	CGA-501	—
CO only (displays PPM)	CO-150	—

All models which detect natural gas can be used to test ambient air for natural gas, bar-hole, and track gas leaks in pipes and other conduits. The CGA-401 and 501 models are safe-entry monitors for confined spaces.

All models which detect carbon monoxide (CO) may be used to test for CO in ambient air, in flue gas, and in gases given off by appliances. The CGA-401, 411, 412 and 501 models feature a combined CO and H_2S cell (responds to both gases) which can be calibrated with CO.

All models have a TRACK GAS scale, which displays the concentration of gas in % LEL (Models CGI/CPI-201, CGC/CPC-301, CGO-321, CGA-401, 411 and 501) or % GAS (Models CGI-211, CGC-311 and CGA-412) and operates a beeper to help locate the source of a leak.

All models are offered in a configuration suitable for automatic calibration in a Bascom-Turner docking station. Additionally, they can be automatically calibrated using Bascom-Turner calibration gas and either system gas or pure methane. All models can also be calibrated manually.

Bascom-Turner Instruments

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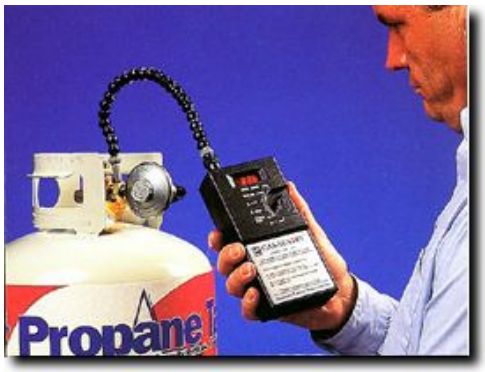
GAS-SENTRY® SPECIFICATIONS

Sensors	Dual catalytic (CH_4) Thermal conductivity (CH_4) Electrochemical (CO/H_2S) Electrochemical (O_2)
Resolution	From 0% to 5% gas: 0.01% GAS (0.2% LEL) From 5% to 100% gas: 1.0% GAS CO: 1 ppm O_2: 0.1 vol %
Calibrated Accuracy (5° to 45°C)	%LEL: ± 2% of reading %GAS: ± 2% of reading CO: ± 5% ± 5 ppm (± 10 ppm above 1000 ppm) O_2: ± 0.2 vol%
Lower limit of detection	0.01% GAS or 0.2% LEL 1ppm CO 0.1% O_2
Warm-up time	30 seconds
Operating temperature	-30°C to 50°C (-20°F to 120°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	0 to 98% RH (non-condensing)
Power supply	4 AA alkaline batteries
Operating time per battery set	12 hours min. (25°C) 24 hours typical 40 hours CGA-501
Dimensions	Length 18.4cm (7.25") Width 9.2cm (3.62") Depth 4.5cm (1.70")
Instrument weight	20 oz. (570 g)



Each detector comes with A-CAL™ and D-CAL™ firmware, carryall, shoulder strap, standard probe (SP-307), water-block filter, coiled hose (CH-060), set of batteries, and operating manual. A-CAL software automatically calibrates a detector using Bascom-Turner calibration gas. A gas dispenser (CGD-001) or a manual calibration apparatus (PCA-001) may be used to deliver the calibration gas. Detectors with a CO sensor also include a standard flue gas probe and filter. The CGA-501 includes a breath zone probe (BZ-001).

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