

# Gas-Rover Models

## Price List and Unit Specifications

More than an FI. More than a CGI. It's the Gas-Rover.

### Models, Pricing, Upgrades and Calibration Options

Description	Model	Manual Calibration Setup	PCA-302
Natural Gas Detector	VGI-201/211	MCS One Gas Calibration Setup	MCS-001
Natural Gas and CO	VGC-301/311	Network Docking Station 2 Gas	NDS-100
Natural Gas and Oxygen	VGO-321/322	Network Docking Station 3 Gas	NDS-301
Natural Gas, CO and Oxygen	VGA-411/412	* Each detector has a built-in pump and comes with ACal and NCal firmware, DataLink4Access, metal gooseneck probe (GP-514), dust and water block filter (WF-501), surface probe with rubber cone (SP-636), small case (IC-501), two sets of rechargeable batteries, battery charger with 110VAC & 12VDC lighter adapter, and operation manual.	
Natural Gas, CO, Oxygen and H <sub>2</sub> S	VGA-611/612		
GPS Upgrade	GO-002		
Bluetooth Upgrade	BT-002		

### Unit Specifications

Sensors	Methane (Dual CC/TC) Oxygen (Electrochemical) CO (Electrochemical) H <sub>2</sub> S (Electrochemical)	Battery Life	10-12 hours	
		Dimensions	Height 9.0" (22.9 cm) Width 3.50" (8.90 cm) Depth 2.50" (6.40 cm)	
Resolution	Survey: 1 ppm (0-40,000 ppm) Monitor: 0.05% volume (0-5%) Monitor: 1.0 % volume (5-100%)	Weight	1.50 lb (0.68 kg)	
	CO: 1 ppm Oxygen: 0.1% volume H <sub>2</sub> S: 1 ppm	Accuracy	1-3 m real time < 0.5 m post processed	
Calibrated Accuracy (10° - 35° C)	Survey: ±2% of sample, ± 10 ppm Gas: ±0.1% volume (0-5% volume) Gas: ±2% volume (5-100% volume) ± 5%, ± 10 ppm CO (± 10% above 1000 ppm CO) ± 0.2% oxygen by volume ± 5%, ± 1 ppm H <sub>2</sub> S	Open Sky SBAS	WAAS differential corrections	
		Technical Description	20 channels 200,000 effective correlations	
Data Logging	Automatic, time & mode stamped 2-3 months readings data 1 month GPS data	Dynamic Constraints	Velocity up to 500 m/s, acceleration up to 4G	
Warm-up Time	60 seconds	Acquisition	Typical	90%
Operating Temperature	-30°C to 50°C (-20°F to 120°F)	Performance	Hot Start	0.5 s < 1 s
Storage Temperature	-40°C to 60°C (-40°F to 140°F)	at -125 dBm	Warm Start	31 s 36 s
Humidity	0 to 98% RH		Cold Start	33 s 38 s
Power Supply	NiMH rechargeable batteries	Software Interface	NMEA/SiRF Binary	
Intrinsic Safety	Class 1, Division 1, Groups C, D	Bluetooth Class	Class 2 type output power	
		Bluetooth Range	10 m	

