

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 ₂ S	VGA-611/612		
GPS Upgrade	GO-002		
Bluetooth Upgrade	BT-002		

Unit Specifications

Sensors	Methane (Dual CC/TC) Oxygen (Electrochemical) CO (Electrochemical) H ₂ S (Electrochemical)	Battery Life	10-12 hours												
Resolution	Survey: 1 ppm (0-40,000 ppm) Monitor: 0.05% volume (0-5%) Monitor: 1.0 % volume (5-100%) CO: 1 ppm Oxygen: 0.1% volume H ₂ S: 1 ppm	Dimensions	Height 9.0" (22.9 cm) Width 3.50" (8.90 cm) Depth 2.50" (6.40 cm)												
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 ₂ S	Weight	1.50 lb (0.68 kg)												
Data Logging	Automatic, time & mode stamped 2-3 months readings data 1 month GPS data	Accuracy Open Sky	1-3 m real time < 0.5 m post processed												
Warm-up Time	60 seconds	SBAS	WAAS differential corrections												
Operating Temperature	-30°C to 50°C (-20°F to 120°F)	Technical Description	20 channels 200,000 effective correlations												
Storage Temperature	-40°C to 60°C (-40°F to 140°F)	Dynamic Constraints	Velocity up to 500 m/s, acceleration up to 4G												
Humidity	0 to 98% RH	Acquisition Performance at -125 dBm	<table border="1"> <tr> <td></td> <td>Typical</td> <td>90%</td> </tr> <tr> <td>Hot Start</td> <td>0.5 s</td> <td>< 1 s</td> </tr> <tr> <td>Warm Start</td> <td>31 s</td> <td>36 s</td> </tr> <tr> <td>Cold Start</td> <td>33 s</td> <td>38 s</td> </tr> </table>		Typical	90%	Hot Start	0.5 s	< 1 s	Warm Start	31 s	36 s	Cold Start	33 s	38 s
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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												

