



ILLEGAL

IMMIGRANT

DETECTION

G150 Stowseek

The G150 Stowseek is used specifically for accurately monitoring ppm level CO₂ for illegal immigrant detection. Used with a 1m probe for insertion into vehicles and containers, it can quickly identify elevated levels of CO₂ to help detect possible stowaways.

Benefits

- Improved accuracy on CO₂ readings
- Quick verification of CO₂ levels
- Data logging for long term application
- Easy to read large well lit display
- Preset audible & visual alarms
- 12 hour battery life

Features

- CO₂ 0 - 10,000 ppm
- Options for:
 - O₂ 0-100%
 - Dual temperature probes 0 - 50°C
 - Humidity Sensor 0-100%
- Optional 1m probe

Applications

- In containers
- Vehicles
- Trains
- Ships



G150

GAS RANGES

Gases Measured	CO ₂	By custom dual wavelength infra-red cell reference channel
	O ₂ (Optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO ₂ O ₂	0-10,000 ppm 0-100%
Measurement Accuracy	Gas	
	CO ₂	Accuracy ± (1.5 % range +2% of reading) at reference conditions ¹ Temperature dependence ± 15ppm/ °C (typical) Pressure dependence ± 2ppm /hPa (typical)
	O ₂	±1.0% Full Scale @ constant temperature and pressure ± 2.0% Full Scale over operating temperature range
Response time T ⁹⁰	CO ₂ O ₂	≤20 seconds ≤60 seconds

FACILITIES

	Conditions during factory calibration, typically 20 °C, 100mBar	
Temperature (Optional)	x2 using optional probes 0 °C to +50.0 °C	
Temperature accuracy, typical	± 0.2 °C from 32 to 44 °C, ±0.5 °C over the rest of range	
Barometric pressure	800-1200 mbar	
RH measurement (Optional)	RH Probe 0-100% RH non condensing	
RH accuracy	± 1.5% RH across the range	
Visual and audible alarm	User selectable CO ₂ and O ₂ alarm levels	
Communications	USB type B mini-connector, HID device class	
Data Storage	1000 readings sets + 270 events	

ENVIRONMENTAL CONDITIONS

Operating temperature range	5 °C - 40 °C	
Relative humidity	0-95% non condensing (RH Probe 0-100% non condensing)	
Barometric pressure	± 500 mbar from calibration pressure	

PHYSICAL

Weight	495 grams	
Size	L 165mm, W 100mm, D 55 mm	