

GS700 - Hydrogen

Natural Gas & Hydrogen detection in one instrument.



Ensuring compliance

Intelligent data-logging functionality together with optional GPS mapping simplifies data gathering.

Natural gas discrimination

Quickly determines the source of gas leaks, whether it's pipeline gas or naturally occurring biogas; saving valuable time and reducing detection related costs.

Application ready

Highly configurable to our customers' gas detection needs, providing flexibility of use without compromising on performance.

Application modes include:

- Combustible Gas Indicator
- Purge
- Barhole
- Pipeline Gas Test (PGT)
- Search

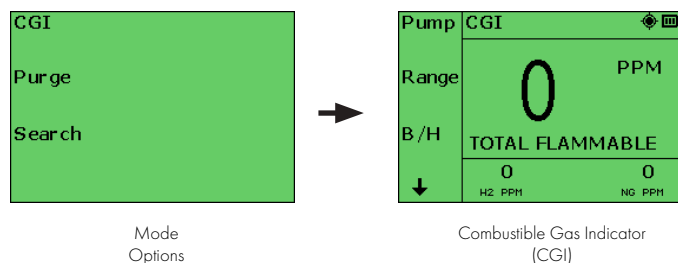
Additional Features

- PPM, LEL & Volume capability
- Combined or individual LEL readings for Natural Gas and Hydrogen
- Barhole Mode
- Soft-key Operation
- Communication: IrDA & Bluetooth (optional)
- 360° Alarms
- Lightweight & Rugged
- Ingress Protection - IP55
- Alkaline or Rechargeable battery options

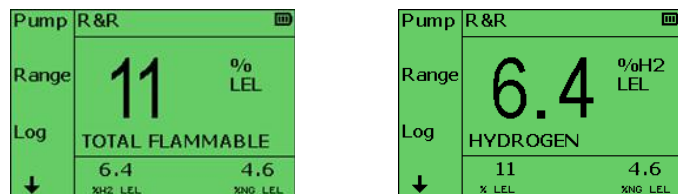


GS700 - Hydrogen

The GS700-Hydrogen is a configurable combination instrument that fully meets the needs of gas utilities. The large display simplifies operation and allows the user to access multiple functions.



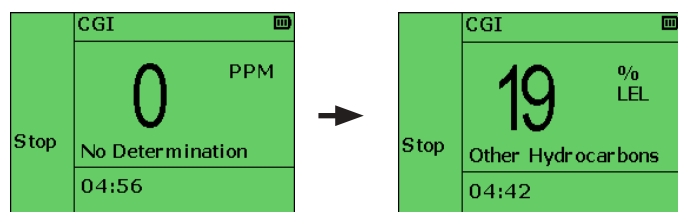
Combined or individual measurements



Pipeline Gas Test (PGT)

Is the gas coming from your pipeline?

Avoid unnecessary excavations with this invaluable feature. Instantaneous confirmation that the gas is not from your pipeline (e.g. landfill or swamp gas). Simple user interface:




Barhole Mode

Barholing allows underground leaks to be located.

The GS700 - Hydrogen incorporates a mode that allows compliant and consistent barholing.

Features include:

- Fixed time sampling
- Peak & Sustained readings displayed
- Simple user menu to view previous reading
- Datalogging - including location data

Technical Specification	
Size:	190 x 98 x 107 mm
Weight:	1.4 kg (Alkaline), 1.3 kg (Rechargeable)
Display:	Monochrome LCD with automatic backlighting
Temperature:	-20°C to +50°C (-4°F to +122°F)
Humidity:	0 - 90% RH non-condensing
Sampling:	Integral pump with flow fail sensor +sample path is protected by a hydrophobic & cotton filter
Alarms:	360° Highly visible flashing LED Sounder ~ 85 dB at 0.3 m
Datalogging:	Capacity: 500 session logs Session log: user ID, date & time, gas readings, alarms, calibration / bump test data, barhole data, PGT logs » Log Extraction: Infrared or Bluetooth (optional) » Location data via GPS (optional)
GPS:	Logs the GS700 location (optional). Extracted location data is stored with a date / time stamp.
Battery:	3 x LR20 'D' size Alkaline Cells or Rechargeable Battery Pack
Battery Life:	Typically: 15 hrs Alkaline, 20 hrs Rechargeable
Charge Time:	Typically: 6 hrs
Construction:	Antistatic Polycarbonate ABS with conductive TPE over-moulding
Rating:	IP55 (Protected from Dust & Water Jets)
Certification:	IECEX / ATEX  II 2G (Ta = -20°C to +50°C) Ex db ia IIC T4 Gb
Warranty:	2 years

Sensor Specification				
Gas	Range	Resolution	*T90	Sensor Type
HC	0-10,000ppm	25ppm	-	Infrared
HC	0-9.9% LEL 10-100% LEL	0.1% 1%	<6s	Infrared
HC	0-100% Volume	1%	<6s	Infrared
H ₂	0-10,000ppm	1ppm	-	Cat bead
H ₂	0-9.9% LEL 10-100% LEL	0.1% 1%	4s	Cat bead
H ₂	0-100% Volume	1%	4s	Thermal Conductivity
PGT	Decision made if sample: > 1.5% Volume			Infrared



Charger Cradle