Gasurveyor 700

Utilising the latest infrared gas detection technology in a robust and reliable design, the Gasurveyor 700 (GS700) is a highly configurable instrument with leading performance and a user-friendly interface which makes it the perfect choice for all gas utility applications.

Ensuring compliance

Intelligent data-logging functionality together with optional GPS mapping simplifies data gathering. Our Instrument Management System improves fleet management by providing access to field usage reports, calibration history, investigation mapping and many other bespoke reports; making it easier for our customers to demonstrate compliance.

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.

Flexible configuration

The GS700 can be configured to meet specific application needs and can be customised to suit a range of user requirements, settings and languages.

Application ready

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

Application modes include:
- Gas Leak Outdoors
- Purge
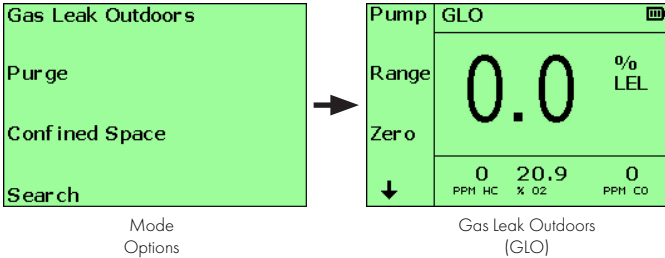- Search
- Barhole
- Confined Space

Additional Features

- LEL & Volume Gas (infrared)
- Optional sensors including: PPM, O2, CO, H2S
- Barhole Mode - configurable
- Soft-key Operation
- Communication: IrDA & Bluetooth (optional)
- 360° Alarms
- Lightweight & Rugged
- Ingress Protection - IP55
- Alkaline or Rechargeable battery options

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The GS700 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.
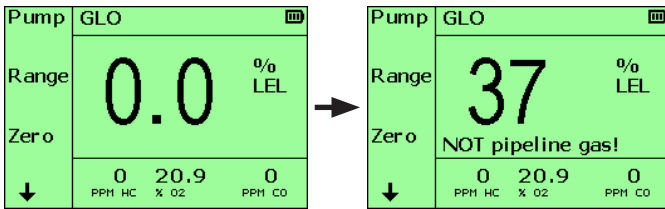

Mode Options

Gas Leak Outdoors (GLO)

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 incorporates a Barhole 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 (GPS optional)

Charger Cradle

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 CE ⟨Ex⟩ II 2G (Ta = -20°C to +50°C) Ex db ia IIC T4 Gb or Ex db ia IIB T3 Gb (when fitted with a PPM gas sensor) CSA ℅ Class I Div.1 Groups A, B, C, D T4 or Class I Div.1 Groups C, D T3 (when fitted with a PPM gas sensor)
Warranty:	2 years

Sensor Specification				
Gas	Range	Resolution	*T90	Sensor Type
HC	0-1,000ppm 0-10,000ppm 0-10,000ppm	1ppm 1ppm 25ppm	-	Semiconductor Semiconductor Infrared
HC	0-9.9% LEL 10-100% LEL	0.1% 1%	<6s	Infrared
HC	0-100% Volume	1%	<6s	Infrared
O2	0-20.9% 21-25%	0.1% 1%	<15s	Electrochemical
CO	0-1000ppm	1ppm	<20s	Electrochemical
H2S	0-100ppm	1ppm	<10s	Electrochemical
PGT	Decision made if sample: > 1.5% Volume			Infrared

* Without probe.
Complies to standards: BS EN / IEC 60079-29-1, BS EN 45544, BS EN 50104, CSA 22.2 No. 152, ANSI / ISA 12.13.01

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