



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:

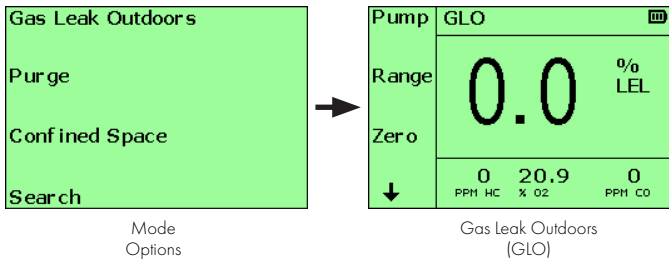
- Gas Leak Outdoors
- Purge
- Search
- Barhole
- Confined Space

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



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.

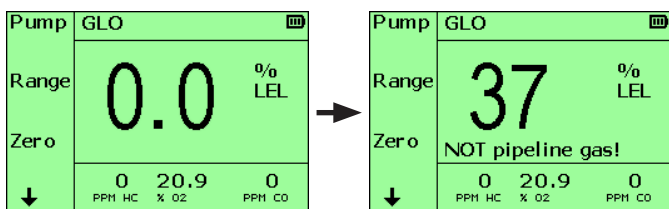


Pipeline Gas Test (PGT)

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



As an ISO 9001 approved company, Teledyne GMI Ltd quality assurance programmes demand the continuous assessment and improvement of all Teledyne GMI Ltd products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact Teledyne GMI Ltd or their representative if you require more details.



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 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 | 1ppm | - | Semiconductor Semiconductor Infrared |
| | 0-10,000ppm | 1ppm | | |
| | 0-10,000ppm | 25ppm | | |
| HC | 0-9.9% LEL | 0.1% | <6s | Infrared |
| | 10-100% LEL | 1% | | |
| HC | 0-100% Volume | 1% | <6s | Infrared |
| O2 | 0-20.9% | 0.1% | <15s | Electrochemical |
| | 21-25% | 1% | | |
| 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