



# **GAS-TEC**

**Fast detection of hydrocarbon gases**

**Portable Flame Ionisation Detector (FID)**



**The GAS-TEC FID offers outstanding performance and reliability for detecting hydrocarbon gases at low concentrations, quickly and cost-effectively.**

### **High sensitivity**

Gas-Tec's high sensitivity to hydrocarbons, makes it ideal for gas leak detection and land investigations.

### **Fast Detection of Gas Leaks**

The sensitivity of Gas-Tec combined with its fast detection response (under 2 seconds), provides a powerful tool for the investigation of reported gas leaks. Even when the operator is at the edge of the affected area, Gas-Tec quickly "sniffs out" the first indication of gas and guides the operator towards the leak source. On-site investigation time is reduced, increasing operational efficiency and optimising deployment of manpower resources. Gas-Tec's fast detectability also facilitates regular surveys of the distribution network, either by walking survey or mobile vehicle.

### **High Stability and reliability – Well proven design**

Even at very low concentrations, Gas-Tec gives consistently reliable and trustworthy results, giving the operator complete confidence in the measurement. This diminishes the need for barholing (with its attendant environmental issues) and reduces overall operational costs.

Gas-Tec's stability also means that calibration checks are required just twice a year. Long-term reliability is outstanding, as demonstrated by the 5,000 Gas-Tec's in use worldwide.

### **Long Working Periods without recharging**

Gas-Tec can be used for long periods without the need to recharge the battery or hydrogen cylinder. 60 hours of operation is provided on one full cylinder.

### **User-friendly operation**

Gas-Tec is light, portable, and robust. The gas concentration level is clearly indicated by the meter display and audible signal.





## performance

Range: 1 to 10,000 ppm. (100,000 ppm with range extender)

Response time: less than 2 seconds

Hydrogen cylinder discharge time: up to 60 hours

Sample flow rate: 0.9 litres/min

## power

Rechargeable lead acid batteries. Discharge time: 15 hours

## dimensions

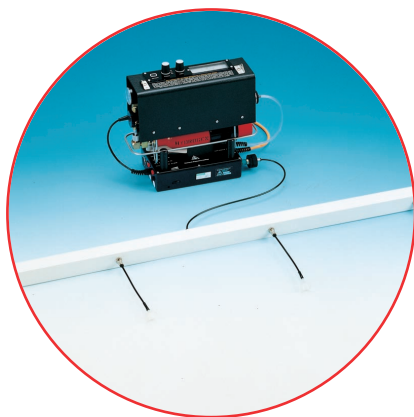
330 x 120 x 230mm. Weight: 3.7 kg

## standard accessories

- Angled probe
- Fitted carrying case with strap
- Rechargeable hydrogen cylinder
- Battery charger
- Particulate and hydrophobic filters
- DIN socket for battery charging and data output to chart recorder

## optional accessories

- Probes  
Straight: ideal for confined spaces, eg. boreholes  
Roller: avoids sample dilution in windy conditions  
Probe cup: used with straight probe to seal areas
- Earphones for noisy or public areas
- Range Extender/Diluter. Extends range by factor of 10 to 100,000 ppm.
- Hydrogen Cylinder Filling Kit. Allows user to refill from large hydrogen cylinder.
- Calibration kit for on-site calibration
- Carbon filter for distinguishing natural gas from heavier hydrocarbons
- Spare hydrogen cylinders



## trigger survey kit option

The Trigger Survey Kit is fitted to a vehicle and then attaches to the Gas-Tec to provide a mobile gas leak detection system. After use, Trigger is detached from the vehicle and disconnected from the Gas-Tec. The Gas-Tec can then be used in normal portable operation.

## servicing

Service schemes incorporating maintenance and calibration.

## applications

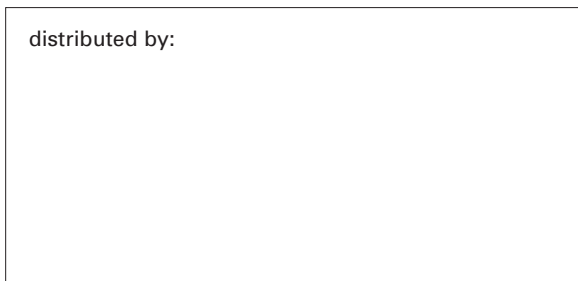
- Emergency response to gas leaks
- Landfill gas detection
- Surveying of gas distribution network
- Contaminated land investigations

**TELEGAN**  
gas monitoring



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