







Portable Type Gas Leak Detectors

Reliable Detection. Enhanced Safety. Portable Convenience.

Portable Gas Leak Detectors are designed for reliable detection of combustible gases and oxygen deficiency in industrial environments. These advanced, explosion-proof instruments provide accurate monitoring of gas concentrations, helping ensure personnel safety and prevent potential fire and explosion hazards.

Key Features & Benefits

- **Multi-Gas Detection:** Detects combustible gases in the range of ppm to %LEL, along with oxygen concentration.
- **Explosion-Proof Design:** Suitable for use in hazardous industrial environments, subject to the instrument's certified area classification.
- **Wide Detection Capability:** Detects a broad range of combustible gases, from low concentrations to explosive levels, using a single instrument.
- **Impact-Resistant Construction:** Designed to withstand demanding industrial operating conditions.
- **Extended Gas Detection Options:** In addition to the pre-configured target gases, the instrument can be converted to detect up to 32 additional gases.
- **Multiple Target Gas Selection:** Up to five combustible gases can be configured as target gases at the time of purchase (optional).

Note: The extended gas conversion feature is applicable when the first target gas is configured as Methane, Isobutane, or Propane.

Purpose & Applications

Designed to detect combustible gas leaks and oxygen deficiency, these portable detectors are suitable for:

- Industrial plants and process facilities
- Gas storage and handling installations
- LPG and PNG facilities
- Chemical and petrochemical industries
- Confined space entry and safety monitoring
- Maintenance, inspection and emergency response operations

Technical Specifications

Parameter	Specifications
Target Gases	Combustible gases, combustible solvent vapours and oxygen
Detection Principle	Combustible gases and solvent vapours: Catalytic type; Oxygen: Galvanic cell type
Sampling Method	Automatic suction type
Detection Range	Combustible gases and solvent vapours: 0–100% LEL (switchable to ppm display); Oxygen: 0–25 vol%
Alarm Set Points	Combustible gases and solvent vapours: 20% LEL; Oxygen: 18 vol%
Alarm Indication	Audible buzzer, flashing red alarm indicator and LCD display
Explosion Protection	Intrinsically safe / explosion-protected construction (as per applicable certification)
Explosion Protection – Alkaline Battery	Ex ia da IIC T4 Ga

Explosion Protection – Ni-MH Battery	Ex ia da IIC T3 Ga
Ingress Protection	IP67 equivalent
Operating Temperature	-20°C to +50°C
Operating Humidity	Up to 95% RH (non-condensing; sudden changes in temperature or humidity should be avoided)

Brands We Deal In

We supply portable gas leak detection instruments from internationally recognised manufacturers:

- **New Cosmos – Japan**
- **Tecnocontrol – Italy**
- **Industrial Scientific – International**