

JL270 Portable Gas Leak Detector

The **Hanwei JL270** is a portable gas leak detector designed to quickly detect and locate leaks of flammable gases such as methane, LPG, and hydrogen with high sensitivity. It provides real-time alerts through visual and audible signals, helping users identify leak points quickly and ensure safety in industrial and commercial environments

FEATURES

- ✓ High-definition OLED display
- ✓ Rapid detection of flammable gas leak points
- ✓ Extended flexible probe, adjustable units
- ✓ Sensor fault detection function
- ✓ Fast warm-up, rapid response time
- ✓ Audio prompt signal with frequency varying with concentration
- ✓ Automatic zero adjustment, convenient and quick
- ✓ Automatic power-off after prolonged non-use
- ✓ Maximum concentration auto-lock function
- ✓ Black bar displays the real-time ratio of gas concentration reaching the full scale

APPLICATION

Daily inspection and maintenance of the gas pipelines by the gas companies. It is also suitable for industrial safety applications such as petroleum, chemical plants, fire safety, and emergency leak detection, ensuring personnel and equipment protection.



Sensor principle	Catalytic, Electrochemical, Infrared
Detection Method	Natural diffusion type
Sensor type	Semi-conduct sensor
Sensor Channels	1
Measuring gas	Natural gas (CH ₄), LPG (C ₃ H ₈), H ₂
Measuring range	CH ₄ : 0 – 10000ppm C ₃ H ₈ : - 20000ppm H ₂ : 0 – 30000ppm
Indication error	±:5% LEL
Indication method	Display screen, LED indicator, sound indicator
Operating environment	Rated operating temperature: 15°C – 35°C Withstand temperature: -25°C – 55°C Storage temperature: 0°C – 40°C Humidity: ≤ 95% RH, no condensation Atmospheric pressure: 86 kPa – 106 kPa
Operating voltage	3.7VDC (Rechargeable Lithium Battery)
Operating time	≥ 8 hours continuous (20°C, non-alarm state)
Protection level	IP66
Explosion-proof Mark	Ex ib IIC T3 Gb, Ex ib IIIC T195°C Db
Explosion-proof certificate no	CNEx25.0902X
Dimension	97mm x 53mm x 22.5mm
Storage period	6 months
Dimensions	180mm x 52mm x 32mm (excluding probe)