Portable Nitrogen N2 Gas Detector LNGD–A10

Portable Nitrogen N2 Gas Detector LNGD-A10 is integrated with multiple gas sensors and, 3.5-inch high-definition LCD colour screen display and 150-degree wide viewing angle. Equipped with built-in gas sampling pump with adjustable ten-speed flow and flow range of 0 to 500 ml/min. Features mini vacuum suction pump with stable flow. Designed with flashlight, overload automatic protection function, and built-in wireless communication module. It can detect up to 1-5 gases simultaneously.

Features

- ❒ A compact and Portable handheld instrument comprised with multi gas test easy to use
- ❒ 3.5-inch high-definition color screen with high resolution and wide viewing angle
- ❒ Built-in sampling pump with 10-step adjustable flow rate of 0 to 500 ml/min
- ❒ Mini vacuum suction pump with stable flow, long life and low noise
- ❒ Three layers of filtering devices to efficiently filter oil, water, dust and other impurities
- ❒ Flashlight function, sensor overload automatic protection function
- ❒ USB interface ensures easy and convenient data processing and analysis
- ❒ Timed shutdown function, built-in wireless communication module
- ❒ Gas display concentration units can be switched freely automatically by the system

Application

Portable Nitrogen N2 Gas Detector is widely used in petrochemical and chemical industry, municipal engineering and utilities, agricultural and environmental protection, electronic food and pharmaceutical industry and other industries.

Specifications:

Model	LNGD-A10
Gas Detected	Nitrogen N2
Detection principle	Electrochemistry
Measurement Range	0 to 100 % VOL
Resolution	0.01 % VOL

Concentration unit	ppm, mg/m3, %VOL, %LEL, can be switched by one button, and the concentration value is automatically converted by the internal system
Precision	≤±2 % FS
Response Time	≤ 8 S
Repeatability	≤ ± 1 %
Zero shift	≤ ± 1% (F.S / Year)
Sampling method	Built-in pumping sampling, selected high-quality micro pump, low noise, low vibration, stable suction, Pump flow is adjustable in ten speeds, flow range: 0 to 500 ml/min
Modular structure	Can detect up to 1 to 5 kinds of gases
Display	3.5-inch IPS color LCD display, resolution 320 × 480
Display content	Gas formula, concentration data, unit of measure, gas curve trend, battery level, time, temperature (optional), humidity(optional), pressure (optional), pump status, wireless status(optional), printer status(optional), screen capture status
Display mode	Multiple display modes selectable, multi-channel data mode, multi-curve mode, multi-channel data + multi-curve mode, single channel + single curve mode
Temperature and humidity detection range	Temperature:-20 °C to 50 °C, resolution: 0.1 °C humidity: 0 to 99% RH, resolution: 1% RH (optional)
Data storage	Measurement data automatic recording function, interval storage and alarm storage two ways, can customize the recording interval, Standard storage of 100,000 history or alarm records; optional independent 8G memory card
Communication and data download	It can be directly connected to the computer via USB to quickly download TXT storing data; optional PC software can convert TXT documents to an Excel document

Wireless transmission	LORA (Optional), BLUETOOTH (Optional)
Printing	external portable Bluetooth printer (optional)
Print content	Real-time concentration data and historical data
Screen capture settings	The content displayed by the current host can be saved in the form of a BMP picture, and then the picture is exported to the computer through the USB cable for the user to record and reference
Operating language	English
Battery capacity	3800 mAh rechargeable lithium battery
Charging interface	Micro USB charging interface
Filter device	Equipped with a multi-layer filter to efficiently filter oil, water and dust
Wireless network	LORA (Optional), BLUETOOTH (Optional)
Network frequency	LORA (398 to 525MHZ), BLUETOOTH (2.4GHZ)
Wireless trans. distance	LORA (open space) up to 3500m, BLUETOOTH (Bluetooth) up to 10m
Operating temperature	-20 to 50°C (optional flue gas sampling probe, up to 1200°C)
Working humidity	0 to 95% RH (no condensation) optional filter is available if moisture too high) Working Pressure: 96～106Kpa
Alarm mode	Buzzer, light and alarm status prompt on the display, low battery alarm
Dimension (H × W × D)	170 × 75 × 41 mm
Recovery Time	≤ 10 S
Linearity error	≤ ± 1 %
Degree of protection	IP66
Weight	400 g

Standard Accessories

Accessories no.	Name
1	Gas Detector
2	5V/2A charger, Micro-USB cable:1
3	Hydrazine filter:1
4	Suitcase:1

Optional Accessories

Accessories no.	Name
1	Portable Bluetooth Printer
2	High Temperature Flue Gas Probe:1
3	CD with data software
4	Elastic bending probe:1