

DTS-C001(GY) Pump-type Gas Detector



product description

Pump-suction gas detector: Ensuring safety and delivering precise detection, it serves as your trusted guardian, continuously monitoring your work environment. Equipped with a built-in sampling pump that draws gases into a storage chamber, it employs advanced detection technology to analyze, display, and store gas concentrations, trigger voice alerts and audio-visual alarms, provide emergency lighting, effectively prevent gas leakage incidents, and safeguard both personal safety and property. Key advantages include:

➤ **Fast, accurate, and efficient response:**

High-performance sensors and microprocessors monitor gas concentration changes in real time, providing timely warnings for potential hazards.

➤ **Stable and reliable, trustworthy:**

After rigorous calibration and testing, the data is stable and reliable, providing you with lasting security assurance.

➤ **Fully functional to meet all needs:**

Features such as voice alerts, audio-visual notifications, data storage, and emergency lighting meet your diverse application needs.

➤ **Easy to operate and maintain:**

A simple and intuitive interface makes it easy to master the usage and ensures convenient, quick daily maintenance.

Product Features

- ◆ Five-speed adjustable speed with built-in sampling pump, suitable for various testing scenarios
- ◆ High-brightness lighting fixture designed to meet emergency illumination requirements
- ◆ Alarm messages for excessive gas concentration in voice announcements and battery low voltage

- ◆ A 2.4-inch color LCD display with Chinese and English language switching support
- ◆ Powered by high-capacity lithium-ion batteries, it enables prolonged continuous operation.
- Use high-precision, highly stable gas sensors
- Explosion-proof design, meeting requirements for use in explosion-prone environments
- Includes built-in storage and features such as viewing history records and historical alarms
- Made of high-strength ABS engineering plastic, offering waterproof, dustproof, and explosion-proof properties.
- Bluetooth printing of real-time, historical, and alarm data (optional)
- USB Interface High-Speed Data Export Function (Optional)
- Fall Detection Alarm, SOS Emergency Call (Optional)
- Network Communication, Data, and Location Reporting Cloud Platform (Optional)

Product Parameter

parameter type	Parameter Content	parameter type	Parameter Content
sample mode	Pump-suction type	display screen	2.4-inch Color TFT
Operation Language	Chinese/English	Alarm Method	Voice, Audio-Visual Effects, Vibration
battery capacity	7.4V 2000mAh	Instrument Charging	DC 5V2A
Air pump flow rate	$\leq 800\text{mL/min}$	Shell Material	ABS+PC
explosion-proof sign	Ex ib IIC T4 Gb	levels of protection	IP65
working temperature	$-25^{\circ}\text{C} \sim 55^{\circ}\text{C}$	Working Humidity	$\leq 93\%\text{RH}$
instruments weight	350g	Instrument Size	190mm*80mm*35mm

Optional Gas

tracer gas	range	accuracy	response time	least count	Sensor Type
Ammonia (NH ₃)	0-100ppm	$< \pm 3\%(\text{F.S})$	$< 50\text{s}$	1ppm	EC
Methane (CH ₄)	0-100%LEL	$< \pm 3\%(\text{F.S})$	$< 10\text{s}$	1% LEL	catalytic combustion
carbon monoxide	0-1000ppm	$< \pm 3\%(\text{F.S})$	$< 25\text{s}$	1ppm	EC

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Hydrogen sulfide (H ₂ S)	0-100ppm	< ±3%(F.S)	<30s	1ppm	EC