PORTABLE GAS DETECTION

MS400-S Portable

Intelligent Multi-Gas Detector

A portable multi-gas detector for O2, CO, H2S and LEL. The supplied manufacturer document describes built-in pumped and diffusion sampling, a plug-and-play smart sensor module, extensive data recording, PC software and optional wireless data transfer.

[MS400-S PRODUCT IMAGE]

Replace this panel with an actual product photograph when available.

4 gases	IP68	1 million	2 modes
O2 • CO • H2S • LEL	Protection rating	Data records	Pumped & diffusion

Key Features

- Built-in pump; supports pumped and diffusion sampling
- Plug-and-play smart sensor module; supports any gas detection
- 7.4 V, 2700 mAh rechargeable polymer battery; Type-C charging
- Man-down, pump-blocked, faulty and sensor-missing alarms by default
- Optional SOS alarm
- 1,000,000-piece data recording function
- 2.4-inch backlit LCD; five-button operation
- Sound, light, vibration and human voice alarm
- PC software for data acquisition and analysis
- Optional Wi-Fi, 4G, LoRa and Bluetooth wireless transfer
- Supports HTTP, MQTT, TCP and UDP protocols
- Automatic or manual calibration

Applications

- Industrial plant and process-area gas monitoring
- Workplace and confined-space gas checks
- Maintenance, inspection and safety monitoring where multi-gas detection is required

Manufacturer: Beijing Zetron Technology Co., Ltd. | www.bjzetron.com

Technical Datasheet

MS400-S — technical information reproduced from the supplied manufacturer document.

Parameter	Specification
Model	MS400-S (model name as printed in the supplied document)
Type	Portable multi-gas detector
Detection gases	O2, CO, H2S and LEL
O2 range / resolution	0–25 %VOL / 0.1 %VOL; electrochemical sensor
CO range / resolution	0–500 ppm / 1 ppm; electrochemical sensor
H2S range / resolution	0–100 ppm / 0.1 ppm; electrochemical sensor
LEL range / resolution	0–100 %LEL / 0.01 %LEL; catalytic combustion sensor
Accuracy	≤ ±3% (F.S.)
Response time	T90 ≤ 20 seconds (general purpose)
Sampling method	Pumped and diffusion type
Battery	7.4 V, 2700 mAh rechargeable polymer battery
Charging	Type-C charging port; UN38.3 and MSDS certificates listed
Display	2.4-inch LCD backlight display
Data recording	1,000,000 pieces data recording function
Alarm functions	95 dB at 30 cm; >90 dB at 1 m; sound, light, vibration and human voice alarm
Alarm modes	LA, HA, STEL and TWA
Other functions	Man-down, pump-blocked, faulty and sensor-missing alarms by default; optional SOS alarm
Calibration	Automatic calibration with calibration system or manual calibration
Software / connectivity	PC software for data acquisition and analysis; optional Wi-Fi, 4G, LoRa and Bluetooth data transfer
Protocols	HTTP, MQTT, TCP and UDP
Protection rating	IP68
Explosion protection	Feature list: Ex ia IIC T4 Ga; specification section: Ex ia II CT4 Ga
Dimensions	148 × 85 × 50 mm (L × W × H), excluding back-clip thickness
Weight	430 g
Operating environment	−20 °C to +55 °C or −40 °C to +70 °C; 10–95% RH
Approvals listed	ISO, CE, FCC, RoHS, ATEX, CNEX and SIL3
Warranty	1 year

Important specification note: *The source gives two different explosion-protection descriptions: “Ex ia IIC T4 Ga” in the features and “Ex ia II CT4 Ga” in the specification section. Confirm the certified marking and exact model designation with the supplier.*