PORTABLE GAS DETECTION

MS104K-S1 Personal

Carbon Monoxide (CO) Gas Detector

A personal diffusion-type gas detector designed for carbon monoxide (CO) monitoring. The supplied manufacturer document lists a backlit LCD, event recording, man-down alarm and audible, visual and vibration alerts.

[MS104K-S1 PRODUCT IMAGE]

Replace this panel with an actual product photograph when available.

CO	0–1999	IP66	1–2 years
Single-gas detection	ppm measuring range	Protection rating	Working time listed

Key Features

- Diffusion measurement for personal CO monitoring
- Working time stated as 1–2 years
- Stores up to 1,000 event records
- Man-down alarm function
- 1.7-inch backlit LCD display
- Sound, light and vibration alarm
- 95–105 dB audible alarm
- LA, HA, STEL and TWA alarm modes
- Infrared communication port; optional PC communication dock
- Unit switch, anti-misoperation and setting recovery functions
- Automatic zero-point calibration; three-button operation

Applications

- Personal CO monitoring in industrial workplaces
- Workplace safety checks and maintenance activities
- Locations where carbon monoxide exposure monitoring is required

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

Technical Datasheet

MS104K-S1 — technical information reproduced from the supplied manufacturer document.

Parameter	Specification
Model	MS104K-S1
Type	Personal single-gas detector
Detection gas	CO
Detection principle	EC electrochemical sensor
Measuring range	0–1999 ppm
Resolution	1 ppm
Accuracy	≤ ±2% (F.S.)
Response time	T90 ≤ 30 seconds
Sensor lifetime	2–3 years
Detection method	Diffusion type
Battery	3.6 V, 1600 mAh
Working time	1–2 years (as stated in the feature list)
Display	1.7-inch LCD backlight display
Event recording	1,000 event records
Alarm functions	Sound, light and vibration; 95–105 dB audible alarm
Alarm modes	LA, HA, STEL and TWA
Other functions	Man-down alarm; unit switch; anti-misoperation; setting recovery; automatic zero-point calibration
Communication	Infrared communication port; optional communication dock for PC software
Protection rating	IP66
Explosion protection	Ex ia II CT4 Ga
Dimensions	87 × 63 × 32 mm (L × W × H), or 3.4 × 2.5 × 1.3 inches
Weight	200 g
Anti-drop height	≥ 8 metres
Operating environment	−40 °C to +70 °C; ≤95% RH (non-condensing)
Approvals listed	ISO, CE, FCC, RoHS, ATEX, CNEX and SIL3
Warranty	1 year

Important specification note: *The source lists working time as 1–2 years and sensor lifetime as 2–3 years. These are reproduced as separate manufacturer claims; confirm expected service life and operating conditions with the supplier.*