

No more H₂ interference in iron/steel mills!

Personal CO/O₂ Gas Detector

Model CX-5

ATEX/IECEx Intrinsic safe design
Explosion proof: Exia II CT4Ga



Compact size !



【Features】

- **Hydrogen-compensated CO sensor**

New CO sensor is designed to reduce the cross-interference of hydrogen up to 2,000ppm.

- **Withstands 6m drop**

A rugged design makes it possible to survive 6m drop test.

- **Ingress protection rating IP67**

Water proof, Dust proof construction for outdoor use meets IP67 rating.

SPECIFICATIONS

Model	CX-5	
Gas to be detected	Oxygen (O ₂)	Carbon monoxide (CO) (with hydrogen gas compensation function)*1
Detection principle	Galvanic cell type	Electrochemical type
Detection range (Service range)	0 - 25.0% (25.1 - 40.0%)	0 - 1000 ppm (1010 - 2000 ppm)
Display 1 digit	0.1%	0 - 500: 1 ppm 500 - 1000: 5 ppm 1000 - 2000: 10 ppm
Alarm setpoint value	L alarm: 19.5% H alarm: 23.5% OVER: 40.0%	First: 25 ppm Second: 50 ppm TWA: 25 ppm STEL: 200 ppm OVER: 2000 ppm
Alarm type	Gas alarms: Two-step alarm, STEL, TWA, OVER alarms Fault alarm: Sensor connection and disconnection, low battery, calibration range abnormality	
Alarm display	Gas alarm: Lamp blinking, intermittent buzzer sounding, gas concentration value blinking, vibration Fault alarm: Lamp blinking, intermittent buzzer sounding, fault detail display (no vibration)	
Gas sampling	Diffusion type	
Display	Digital display (seven-segment + symbol)	
Alarm buzzer sound pressure	95 dB (30 cm, A characteristics) or higher	
Power supply	AAA alkaline battery x 2	
Continuous operating time	Approx. 4000 hours (new batteries at 25°C without alarms or lighting)	
Operating temperature range	-10 - +50°C (at a constant condition)	
Temporary operating temperature range*2	-20 - +60°C (at a constant condition)	
Operating humidity range	30 - 80%RH (non-condensing)	
Temporary operating humidity range*2	0 - 95%RH (non-condensing)	
Explosion-proof structure	Intrinsically safe explosion-proof structure	
Explosion-proof class	Exia II CT4Ga (ATEX / IECEx)	
Functions	LCD manual backlight (automatically lights up at an alarm state), STEL/TWA function, peak hold, clock display and data logger functions	
External dimensions	Approx. 93 (W) x 58 (H) x 35 (D) mm (projection portions excluded)	
Weight	Approx. 140 g (including batteries)	

*1: Hydrogen gas compensation function range: Hydrogen gas concentration up to 2,000 ppm

*2: When used for a short period (approx. 15 minutes)

ACCESSORIES

Standard

- AAA alkaline battery x2
- Alligator clip
- Rubber protection cover

Optional

- Band
- Hand strap
- Belt clip
- Data logger management program

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