

91 series

Model CO-91



Features

- TWA and STEL readings and alarm
- Peak, average, elapsed time readout
- Output (0-1V)
- RF and weather resistant metal case
- 260 hours continuous operation
- Intrinsically safe in Japan

Specifications

Detection principle	Electrochemical cell
Measurable gas	Carbon monoxide (CO)
Measuring range	0-150 ppm linear, Continuing 499 ppm
Sampling method	Diffusion sampling
Accuracy	Better than $\pm 10\%$ of F.S
Response time	Less than 20 seconds to 90% response
Alarm point & Alarm method	1st alarm (35 ppm) Long intermittent alarm 2nd alarm (100 ppm) Short intermittent alarm STEL alarm (400 ppm) Short intermittent alarm
Operating temp.	-10°C ~ +40°C
Continuous operating hours	Alkaline battery Approx 260 hours Ni-Cd battery Approx 90 hours
Dimensions & weight	85(W) × 38.5(H) × 141(D) mm, Approx 550 g

91 series

Model HS-91

Features

- TWA and STEL readings and alarm
- Peak, average, elapsed time readout
- Output (0–1V)
- RF and weather resistant metal case
- 260 hours continuous operation
- Intrinsically safe in Japan



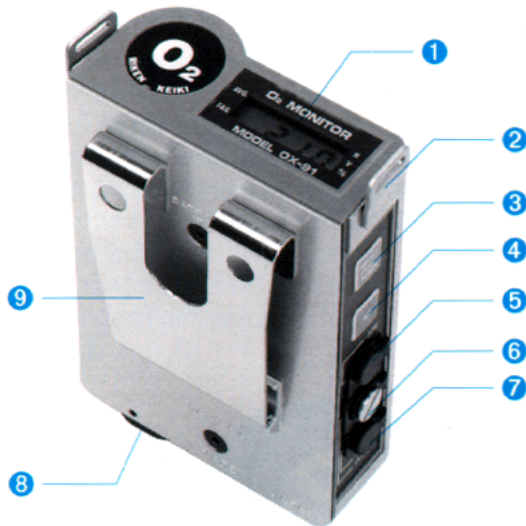
Specifications

Detection principle	Electrochemical cell
Measurable gas	Hydrogen sulfide (H ₂ S)
Measuring range	0-33.0 ppm linear, Continuing 99.5 ppm
Sampling method	Diffusion sampling
Accuracy	Better than $\pm 7\%$ of F.S
Response time	Less than 20 seconds to 90% response
Alarm point & Alarm method	1st alarm (10 ppm) Long intermittent alarm 2nd alarm (15 ppm) Short intermittent alarm STEL alarm (15 ppm) Short intermittent alarm
Operating temp.	-10°C ~ +40°C
Continuous operating hours	Alkaline battery Approx 260 hours Ni-Cd battery Approx 90 hours
Dimensions & weight	85(W) × 38.5(H) × 141(D) mm, Approx 550 g

PERSONAL

MODEL OX-91

(With audible/visual alarm)



- 1 LCD display
- 2 Carrying strap holder
- 3 ON/OFF and select switch
- 4 Zero control
- 5 Span control
- 6 Output jack
- 7 External alarm jack
- 8 Sensor
- 9 Clip

The latest model OX-91 is a personal and portable instrument for detection of oxygen deficient and oxygen enriched environments. Self contained and intrinsically safe model OX-91 is powered by two standard size AA (R6) batteries. Its small size lets you wear it as you work, clipped to belt for hand-free operation. The gasketed metal case gives the OX-91 strong construction, protection from water, dirt and RF interference. The top mounted crystal display gives continuous readings. In low light, the display self-illuminates to maintain visibility. Powerful micro-processor electronics gives OX-91 a large array of display information for current and long term oxygen detection and operational status, including instantaneous, average and peak readings, operating hours, battery status and malfunction condition.

FEATURES

- Rugged dependable construction
- Audible/visual alarm
- Hands-free monitoring (belt worn)
- Continuous diffusion sampling
- Digital LCD readout in % oxygen
- Touch operated controls
- Peak, Average, Elapsed time readout
- Output (0 ~ 1V)
- RF and weather resistant metal case
- 260 hrs continuous operation (alkaline batteries)
- Replaceable AA battery power
- Intrinsically safe EX ia II BT3 in Japan

SPECIFICATIONS

Principle	Electrochemical cell
Sampling method	Diffusion sampling or sample drawing by optional detachable suction pump RP-5 Built-in or remote sensor type
Range	0 ~ 40.0% oxygen content
Accuracy	Better than $\pm 0.7\%$ by volume of indication value at constant temp. (Complies with JIS T-8201)
Read out	Dot-matrix self-illuminated LCD (0.1%/digit O ₂)
Alarm	1) Low alarm Long intermittent 2) High alarm Short intermittent 3) Low battery Continuous audible tone and display of "B" mark. 4) Remote alarm receptacle
Operating temp.	-10°C ~ +40°C
Battery life	260 hrs continuous operation minimum by alkaline battery (standard) or 90 hrs by Ni-Cd battery at no alarm and no illumination
Output	0 - IV (Resolution 1/64)
Dimensions	85(W) x 38.5(H) x 141(D)mm
Weight	Approx. 550g
Explosion proof	Intrinsically safe EX ia II BT3 in Japan
Life expectancy of the sensor	Above 24 months
Warranty	1 year material & workmanship

Specifications subject to change without notice.

STANDARD ACCESSORIES

- 1) Woven fabric carrying strap 1 pce.
- 2) Leather protective case 1 pce.
- 3) AA size alkaline batteries 2 pcs.
- 4) Hexagon key for battery replacement 1 pce.

OPTIONAL ACCESSORIES

- 1) Remote alarm buzzer (85dB) with clip
- 2) Ni-Cd rechargeable batteries and charger
- 3) Cord with plug for output jack
- 4) Extension cable (5m, 10m, 20m, 30m)
- 5) Retainer ring for extension cable
- 6) Sample drawing accessories
 - * Battery operated automatic suction pump Model RP-5 (Intrinsically safe)
 - * Gas sampling probe
 - * Gas sampling hose (1m, 2m, 5m, 10m, 15m)
 - * Suction adaptor