



Compact, Lightweight, Portable Gas Monitors

PORTABLE GAS MONITORS

MODEL OX-94/CO-94/HS-94



FEATURES

- Pocket size, light weight design
- Digital LCD readout
- Microprocessor controlled
- Alarm level indication by buzzer & Display
- Low battery warning by buzzer & Display
- Peak value function
- TWA, STEL values for toxic versions
- Hands-free monitoring (pocket worn)
- Continuous diffusion sampling
- Touch operated controls
- Intrinsically safe circuitry



RIKEN KEIKI INSTRUMENTS, INC.

MODEL OX-94/CO-94/HS-94

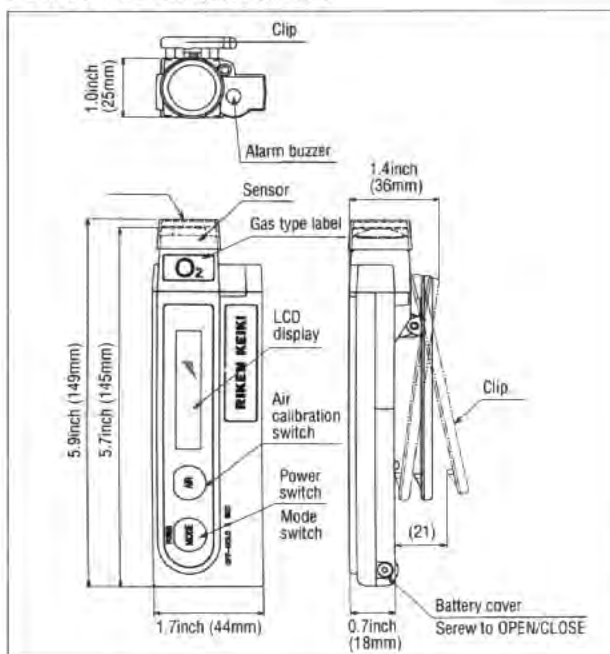
DESCRIPTION

The Models OX, CO, and HS-94 are portable instruments for the detection of oxygen deficiency, carbon monoxide and hydrogen sulfide respectively. These intrinsically safe units are compact, highly accurate, and have microprocessor controlled functions in a slim and light weight package. Their small size lets you wear them as you work, clipped to your pocket or belt for hands free operation.

OXYGEN DEFICIENCY AND TOXIC GAS DANGERS

An oxygen deficient environment is very dangerous! Even a brief exposure to an oxygen deficient environment can lead to unconsciousness or death. It is important to know the concentration of oxygen in your working area so that appropriate measures may be taken to ensure worker safety. Likewise, an environment where toxic gases are present, such as carbon monoxide or hydrogen sulfide, can also be very dangerous to health and life.

PART DESIGNATION



SPECIFICATIONS: 94 SINGLE GAS SERIES

	OX-94	CO-94	HS-94
Gas Detected	Oxygen (O ₂)	Carbon monoxide (CO)	Hydrogen sulfide (H ₂ S)
Detection Range	0~40.0vol%	0~150ppm (Standard range) extended up to 500ppm	0~30.0ppm (Standard range) extended up to 99.5ppm
Detection Principle	Galvanic cell	Electrochemical cell	
Sampling Method	Diffusion sampling		
Response Time	Within 20 seconds (T90)	Within 30 seconds (T90)	
Indication Accuracy	Better than ±0.5vol%	±10% of full scale against standard range	±5% of full scale against standard range
Display	3 digits on LCD, 0.1% digit	3 digit on LCD, 1ppm/digit	3 digit on LCD, 0.5ppm/digit
Alarm Points	19.5% low, 23.5% high	25ppm, TWA 25ppm, STEL 400ppm	10ppm, TWA 10ppm, STEL 15ppm
Low Battery Alarm	Continuous buzzer and indication of battery power remaining		
Operating temp.	-10°C~+40°C (14°F~104°F)		
Power	Alkaline batteries (AAA) 2 pcs.		
Continuous Operation (hours)	Approx. 80 hours		
Safety Design	Intrinsically safe, Class 1, Div 1, Group A, B, C, D		
Dimension & Weight	145(W) × 44(H) × 25(D)mm, 5.7(W) × 1.7(H) × 1.0(D)inch. 0.12kg, 4.23 oz. (including batteries)		
Standard Accessories	1) AAA Alkaline batteries × 2 2) Shoulder strap 3) Clip for belt or pocket		
Features	1. Manual back light for LCD display (Auto back light in alarm condition) 2. PEAK HOLD function. 3. Sensor connection check function		

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