Technical Data Sheet

Smallest Single Gas Monitor - 03 Series by RKI Instruments

Brand / manufacturer	RKI Instruments
Product codes	CO - CO-03/ 0-500 ppm CO/ alligator clip/ alkaline batteries — SKU: 73-0060 — EAN: 2970102862203 H2S - HS-03/ 0-100 ppm H2S/ alligator clip/ alkaline batteries — SKU: 73-0062 — EAN: 2970102862266 O2 - OX-03/ 0-40% O2/ alligator clip/ alkaline batteries — SKU: 72-0010 — EAN: 2970102862209 LEL - GP-03/ 0-100% LEL/ alligator clip/ alkaline batteries — SKU: 72-0037 — EAN: 2970102862204

Product description

RKI Instruments 03 Series single-gas monitors (GP-03 LEL, OX-03 O2, CO-03 CO, HS-03 H2S): pocket-size personal protection from combustible hydrocarbons, oxygen deficiency, hydrogen sulfide or carbon monoxide.

Models: CO - CO-03/ 0-500 ppm CO/ alligator clip/ alkaline batteries, H2S - HS-03/ 0-100 ppm H2S/ alligator clip/ alkaline batteries, O2 - OX-03/ 0-40% O2/ alligator clip/ alkaline batteries, LEL - GP-03/ 0-100% LEL/ alligator clip/ alkaline batteries.

Key benefits

- Operates 3,000 hours on alkaline (GP-03 up to 35 hours)
- Pocket size 2.1 x 2.6 x 0.9 in; 2.8 oz
- IP-67
- Data log from 5 to 300 hours
- Audible, visual and vibration alarms; automatic backlight
- Peak hold, STEL and TWA
- Intrinsically safe: ATEX and CSA
- Warranty: 3 years H2S and CO; 2 years LEL and O2

Specifications (manufacturer)

Model Name	CO-03	HS-03	OX-03	GP-03
Gas Detected	Carbon Monoxide (CO)	Hydrogen Sulfide (H2S)	Oxygen (O2)	Combustible gas
Detection Principle	Electrochemical	Galvanic cell	Catalytic combustion	
Detection Range (Increments)	0 – 500 ppm (1 ppm)	0 – 100 ppm (0.5 ppm)	0 – 40%vol. (0.1% vol.)	0 – 100% LEL (1% LEL increments)
Alarm Set Points	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm	1st 5.0 ppm 2nd 30.0 ppm TWA 1.0 ppm STEL 5.0 ppm Over 100.0 ppm	Low 19.5% vol. High 23.5% vol. Over 40.0% vol.	1st 10% LEL 2nd 50% LEL Over 100% LEL

Prepared by Russmill Safety from publicly available manufacturer information and our product listing. This is not the manufacturer's original publication. For legally required safety data, use the manufacturer's official Safety Data Sheet.

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Alarm Types	Gas alarms: 1st and 2nd (user adjustable), OVER alarm, STEL and TWA Trouble alarms: Sensor connection, low battery circuit failure, and calibration range error			
Alarm Methods	Gas alarm: Flashing LED's, intermittent buzzer, flashing gas value, and vibration Trouble alarm: Flashing LED's, intermittent buzzer, and display of error message STEL & TWA alarms: Flashing LED's, intermittent buzzer, flashing gas value, and vibration			
Gas Sampling	Diffusion			
Response Time	T90 in 30 seconds	T90 in 20 seconds (Alarms within 5 seconds when exposed to 12% O2)	T90 in 30 seconds	
Accuracy which ever is greater	± 5% of reading or ± 5 ppm CO	± 5% of reading or ± 2 ppm H2S	±0.5% O2	± 5 of reading or ± 2% LEL
Power Options	Alkaline dry cell (2-AAA size)	Alkaline dry cell (2-AAA size) Ni-MH battery		
Continuous Operation	Alkaline dry cell: more than 3,000 hours (at 25°C, no backlight)	Alkaline: 35 hrs Ni-MH: 30 hrs		
Safety Rating	ATEX/IECEx approved. CSA classified, "C/US", as intrinsically safe, Class I, Division 1, Groups A, B, C, D			
Dimensions & Weight	2.1" W x 2.64" H x 0.94" D, (54 x 67 x 24 mm); 2.8 ounces (80 g)			
Display	Digital LCD, gas name & concentration, auto backlighting during alarm, operation icon, battery icon			

Operating Temp. & Humidity	-4°F ~ 122°F (-20°C ~ 50°C); Humidity below 90% RH (non-condensing)			
Standard Accessories	Rubber protective boot Alligator clip Data logging software Alkaline batteries			
Optional Accessories	Calibration adapter Charger unit Calibration kit Belt clip Data logging download cable Wrist strap			
Special Functions	Manual backlight for LCD (automatically lit during alarm) Peak hold, STEL & TWA			
Warranty	3 Year warranty	2 Year warranty		

Information source

Russmill Safety product listing — https://www.russmillsafety.com/products/smallest-single-gas-monitor-03-series-by-rki-instruments (listing notes product information supplied by the manufacturer, RKI Instruments)

Supplier / distributor contact

Supplier / distributor	Russmill Safety
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