



**RKI INSTRUMENTS, INC.**  
33248 Central Ave. Union City, CA 94587  
Phone: 510-441-5656

# SC-01

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## Features:

- Smart interchangeable sensors
- Wide range of toxic gases
- Unique extender cable for remote monitoring
- Compact (2.5 x 5.2 x 1.2 in.)
- Lightweight, 7.6 ounces
- 250 hours of continuous operation
- Operates on 2 "AA" alkaline batteries
- Audible / visual / vibration alarms
- Datalogging standard
- Impact resistant protective rubber boot
- Intrinsically safe, CSA, C/US classified

## Applications:

- Utilities
- Personal monitoring
- Refineries / petrochemical
- Chemical plants
- Hazmat response
- Water / wastewater treatment
- Semiconductor plants

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**AMBIDETECTOR – Engenharia & Instrumentação, Lda - Rua António José Batista, n.º 86, Mód.2;**

**2910-397 Setúbal (PORTUGAL) Tel. +351 265 546 053; Fax: +351 265 520 567**

[www.ambidetector.com](http://www.ambidetector.com)

[sales@ambidetector.com](mailto:sales@ambidetector.com)



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<b>Sensor Type</b>	ESM-01 Series
<b>Detection Principle</b>	Electrochemical
<b>Response Time</b>	60 Seconds
<b>Sampling Method</b>	Diffusion, optional sensor extender cable
<b>Display</b>	Digital LCD, auto backlight during alarm
<b>Alarm Operation</b>	Latching and reset function
<b>Types of Alarms</b>	Gas alarms: 1st, 2nd, STEL, TWA and OVER Trouble alarms: Sensor connection, low battery, circuit trouble, and calibration error
<b>Alarm Indication</b>	Gas alarms: Blinking LED array, intermittent buzzer, blinking gas values, vibration Trouble alarms: Blinking LED array, intermittent buzzer, display of trouble, vibration
<b>Operating Temp. &amp; Humidity</b>	-10°C to +40°C (14°F to 104°F) Below 95% RH (non-condensing)
<b>Continuous Operation</b>	More than 250 hours (at 25°C, no alarm)
<b>Power</b>	2 "AA" Alkaline dry cell batteries
<b>Safety Rating</b>	CSA classified, "C/US", as intrinsically safe. Class I, Division 1, Groups A, B, C, D
<b>Dimension &amp; Weight</b>	2.5" W x 5.2" H x 1.2" D (63 W x 131 H x 31 D mm) 7.6 ounces (215 g)
<b>Case Material</b>	Dust & splash resistant. RFI shielded high impact plastic with protective rubber boot
<b>Controls</b>	Three buttons: POWER, DISPLAY, AIR
<b>Standard Accessories</b>	<ul style="list-style-type: none"><li>• Alligator clip</li><li>• Impact resistant rubber boot</li><li>• AA size alkaline batteries (2 each)</li><li>• Manual</li></ul>
<b>Optional Accessories</b>	<ul style="list-style-type: none"><li>• Belt clip</li><li>• Datalogging software for PC</li><li>• Extender cable 3m (10ft), straight</li></ul>
<b>Warranty</b>	One year material and workmanship

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Part Number	Gas	Range
73-0050RK-XXX = SC-01 with an alligator clip		
73-0051RK-XXX = SC-01 with a belt clip		
73-0050RK-NH3	Ammonia (NH3)	0 - 75 ppm
73-0050RK-ASH3	Arsine (ASH3)	0 - 1.5 ppm
73-0050RK-CO	Carbon Monoxide (CO)	0 - 75 ppm
73-0050RK-CL2	Chlorine (CL2)	0 - 3.00 ppm
73-0050RK-H2S	Hydrogen Sulfide (H2S)	0 - 30.0 ppm
73-0050RK-PH3	Phosphine (PH3)	0 - 1.00 ppm
73-0050RK-SO2	Sulfur Dioxide (SO2)	0 - 6.00 ppm

*Specifications subject to change without notice.*

**AUTHORIZED AGENT:**



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