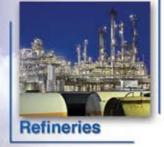


20. 9vol 0. 0ppm

POWER ENTER RESET

DISPLAY ADJUST NO











AGLE 2

3



# EAGLE 2



Interchangeable Alkaline / NiMH / removable battery compartment

# **Specifications**

Enclosure	Weatherproof, chemical resistant, anti RFI / EMI coated high impact polycarbonate - PBT blend. Can operate in rain or be set into 2.0" of water without leakage. Ergonomically balanced with rugged top mounted handle.
Dimensions	9.5" L x 5.25" W x 5.875" H (241mm L x 140mm W x 149mm H)
Weight	3.8 Lbs (1.72kg) (standard 4 gas with batteries)
Detection Principle	Catalytic combustion, electrochemical, galvanic, infrared, photo ionization, and thermal conductivity.
Sensor Life	2 Years under normal conditions.
Sampling Method	Powerful, long-life pump (over 6,000 hours) can draw samples over 125 feet. Flow rate approximately 2.0 SCFH
Display	Backlit 128 x 64 graphics display. Viewed through window in case top. Displays readings & status of all 6 channels simultaneously. Backlight, illuminates for alarms and on demand with adjustable time. Optional mode allows automatic or manual scrolling display of just one gas at a time with very large characters.
Language	Readout can display in 5 languages (English, French, German, Italian, or Spanish).
Alarms	2 Alarms per channel plus TWA and STEL alarms for toxics. The two alarms are fully adjustable for levels, latching or self reset, and silenceable.
Alarm Method	Buzzer 95 dB at 30 cm, four high intensity LED's.
Controls	4 External glove friendly push buttons for operation, demand zero, and autocalibration. Buttons also access LEL/ppm, % Vol. alarm silence, peak hold, TWA/STEL values, battery status, conversion factors, and many other features.
Continuous Operation	At 70°F, (21°C) 16 hours using alkaline batteries, or 18 hours using Ni-MH.
Power Source	4 Alkaline or Ni-MH, size C batteries (Charger has alkaline recognition to prevent battery damage if charging is attempted with alkalines).
Operating Temp. & Humidity	-4°F to 122°F (-20°C to 50°C) 0 to 95% RH, non-condensing.
Response Time	30 Seconds to 90% of range (for most gases) using standard 5 ft hose.
	Intrinsically Safe, Class I, Division 1, Groups A, B, C, D.
Safety Rating	Approvals: GD: CE
Standard Accessories	Shoulder strap, alkaline batteries, hydrophobic probe, 5 foot hose, and internal hydrophobic filter
Optional Accessories	<ul> <li>Dilution fitting (50/50)</li> <li>Ni-MH batteries</li> <li>Battery charger, 115 VAC, 220 VAC, or 12 VDC (charge time 4 hours)/ continuous operation adapter, 115 VAC or 12 VDC</li> <li>Extension hoses</li> </ul>
Warranty	Two year material and workmanship, one year for PID sensor

Specifications subject to change without notice

# **Sensor Technologies**

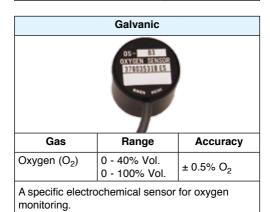
### Standard 4 Gas

### **Specialty Sensors**

### **Smart Toxic Sensors**

NC-6260 B						
Range	Accuracy					
0 - 100% LEL	± 5% of reading					
0 - 5% Vol. (CH <sub>4</sub> )	or ± 2% of full scale (*)					
0 - 50,000 ppm (CH₄)	$\pm$ 50 ppm or $\pm$ 5% of reading (*)					
	Range           0 - 100%           EL           0 - 5%           Vol. (CH4)           0 - 50,000					

Combustible level detection displayed in % LEL, PPM, or % volume. Methane is the standard configuration. Other combustible gases available.



 Standard Electrochemical

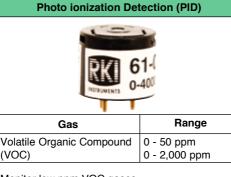
 Standard Electrochemical

 Gas
 Range
 Accuracy

 Carbon Monoxide (CO)
 0 - 500 ppm
 ± 5% of reading ± 2 ppm (\*)

 Hydrogen Sulfide (H<sub>2</sub>S)
 0 - 100 ppm
 ± 5% of reading ± 2 ppm (\*)

 Extra long-life CO and H<sub>2</sub>S sensors.



Monitor low ppm VOC gases.



Gas	Range	Accuracy		
Carbon Dioxide (CO <sub>2</sub> )	0 - 10,000 ppm 0 - 5% Vol. 0 - 60% Vol.	± 5% of		
Methane (CH <sub>4</sub> )	0 - 100% LEL 0 - 100% Vol.	reading or ± 2% of full scale (*)		
Hydrocarbons	0 - 100% LEL 0 - 30% Vol.			
Monitor combustible gases in inert				

environments. Monitor wide range of  $CO_2$ .

Thermal Conductivity							
TE-7568							
Gas	Range	Accuracy					
Methane (CH <sub>4</sub> )	0 - 100% Vol.	± 5% of read-					
Hydrogen (H <sub>2</sub> )	0 - 10% Vol. 0 - 100% Vol.	ing or ± 2% of full scale (*)					

Monitor % volume methane or hydrogen.

Smart Electrochemical				
READ SOFA				
Gas	Range	Accuracy		
mmonia (NH <sub>3</sub> )	0 - 75 ppm			
	i	1		

Gua	mange	Accuracy
Ammonia (NH <sub>3</sub> )	0 - 75 ppm	
Arsine (AsH <sub>3</sub> )	0 - 1.5 ppm	
Chlorine (Cl <sub>2</sub> )	0 - 3 ppm	± 10% of
Hydrogen Cyanide (HCN)	0 - 15 ppm	reading or ± 5% of full scale (*)
Phosphine (PH <sub>3</sub> )	0 - 1 ppm	
Sulfur Dioxide (SO <sub>2</sub> )	0 - 6 ppm	

Monitor a wide variety of toxic gases. Smart plug and play sensors are auto recognized and can be remotely calibrated.

Note: (\*) = Whichever is greater



#### **CONFINED SPACE ENTRY**

- Monitor LEL, O2, CO, and H2S
- Internal sample pump

   Pull samples up to 125'
   Maintain steady sample flow to sensors
- Audible and visual alarms
  - ♦ 2 Ways to communicate with workers
- Ideal for refinery applications

#### LEAK INVESTIGATION

- · Provides ppm detection of combustible gas
- Barhole mode for tracking leak migration
- Leak check with changing blink / pulsing rate
  - LED's and alarm tones increase in frequency as gas concentration increases
- Audible alarm silence
  - Perform leak investigations without alarming residents



#### LINE PURGE TESTING

- Thermal conductivity sensor
  - ◊ 0 to 100% volume Methane / Hydrogen range
- Autoranging IR
  - Automatically changes from % LEL to % Vol.
  - ♦ Displays appropriate unit of measure

#### **VOC MONITORING**

- Robust photo ionization detector (PID)
- Two ranges available,
  - ♦ 0-50 ppm or 0-2,000 ppm
- Can be combined with other sensors to maximize capability
- Method 21 compliant



#### TRANSFORMER TESTING

- Determine transformer health by sampling head space
- Measure Hydrogen (and other flammable gases) and Oxygen in nitrogen blanket
- Increasing flammable gas levels in head space indicates failing transformer

#### LANDFILL MONITORING

- LEL / PPM and 0-100% volume Methane
- 0-60% Carbon Dioxide range
- Can be combined with other sensors (O2/H2S/CO) to maximize capability







## Accessories

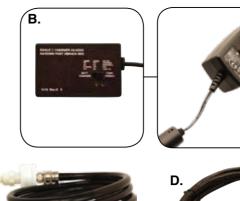
- A. Calibration station
- B. Battery charger / continuous operation adapter, AC and DC versions
- C. Variety of sample hose lengths
- D. Float probe, auto shut off when probe contacts water
- E. PID service kits
- F. Calibration kits
- G. Carrying cases
- H Rechargeable Ni-MH batteries



C.













G.

## **User Selectable Options**

RKI

Date and Time Date Format Battery Type Configuring Channels Combustible Gas Selection Catalytic Detection Units Relative Response On or Off Alarm Points Alarm Latching Alarm Silence User and Station ID Autocal Values Backlight Delay Auto Fresh Air Data Log Interval

F.

Data Log Overwrite Data Log Memory LCD Contrast Calibration Reminder Calibration Past Due Action Calibration Interval Leak Check / Bar Hole Mode Bar Hole Measurement Time Operation Confirmation Alert Password Function On or Off Factory Default Lunch Break Language Span Factor

Authorized Distributor:



Toll Free: (800) 754-5165 • Phone: (510) 441-5656 • Fax: (510) 441-5650

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