Ion Science - ARA Single Gas Detector

The Ion Science ARA offers quick, easy-to-use protection for those working in hazardous conditions. This single gas detector is low maintenance and disposable with calibrations available for H_2S, CO, O_2, or SO_2 - giving instant alarms to monitor the personal breathing zone and ensure the safety of personnel at all times.

FEATURES

- 24 or 36 month battery life options
- Single button operation
- Instant alerts and live readings
- Adjustable alarms
- Event logging download
- Configurable calibration
- Lifetime countdown

ARA DOCK4

• Performs all the necessary procedures for maintaning your gas detectors including bump test, calibration, buzzer test, LED test, and data log transfers. Test up to 4 ARA detectors at one time.

ARA IR Link

- Communicate via infrared with your PC using IR Link. Users have access to their last 30 event logs and a wide array of user settings to customize and configure.

CALL GEOTECH TODAY
(800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • FAX (303) 322-7242
email: sales@geotechenv.com • website: www.geotechenv.com

SPECIFICATIONS

ARA Single Gas Meter

Size	3.4in x 2.0 in x 1.1in (87 x 50 x 29 mm)
Weight	3.2 oz (.2 lbs)
Temperature	H2S, CO, SO2: -40 to +140 F O2: -22 to +140 F
Humidity	5 – 95% RH
Ingress Protection	P67
Alarms	Audio Alarm: (= 95 dB @ 10 cm) Visual Alarm: LED Vibrating Alarm: Vibrator (Operate at 14 F +)
Battery	ER14335(EVE) or XL-055F (XENO ENERGY) 3.6Vdc, 1.65Ah, Lithium batter (Primary) 24 Months of operation, 2 minutes of alarm per day
Event Logging	30 most recent events
Sensor Type	Single plug-in electrochemical cell
Detect Range	H2S: 100 ppm CO: 300 ppm SO2: 50 ppm O2: 25 %
User Options:	User ID, LOW/HIGH Alarms set up, Bump-Test Interval, Self-Test Interval, Display sensor, Life Remaining, Hide Bump due to LED Flashing

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SPECIFICATIONS

DOCK4

Size	20in x 13.4in x 4.5in (496.8 x 340 x 115 mm)
Weight	15.43 lbs (7kg)
Enclosure	Aluminium
Temperature	Operating Temp: 41F to 104F Storage Temp: 14F to 140F
Humidity	10% to 90% non-condensing
Altitude	3,280.84 ft (1,000 m)
Power Supply	**Supply Voltage**: - Input: 110-240V a.c, 50/60Hz Max 0.5A - Output: 12 V d.c, 1.5A **Power Rating:** - 12 V d.c, 1.5A (Adapter) - 7.4V d.c., 2,750mAh (Internal Battery)
Type of Equipment	Process Control Equipment Pollution Degree 2 Installation Category I
RTC	Provide time and date stamp
Data Storage	Internal USB 2.0 Memory Stick (16GB) for event log.
External Interface	1 USB port - USB 2.0 1 RJ45 - Ethernet 10/100
Display	Unit LED – 2 color(R/G) LED x4 Power button LED - 2 color (R/G) Bump button LED - 1 color (B) CAL button LED - 1 color (G)
Tests	**Unit Type**: SD100 **Unit Recognition**: IrDA communication Bump, Calibration, Data Transfer, Audible alarm, Visual alarm
Sensors	Audio and Optical
Gases Available	H2S - 25ppm, CO-100ppm, O2-18%, SO2-10ppm (Adjustable)
Gas Cylinder	Compatible with 116L (3.5" Φ x 15.25"), C10 valve
Gas Connection	Built In
Gas In/Out	1 ambient air (purge) inlet with 1/8" hose 1 exhaust outlet with 1/8" hose
Pump	2 built-ins, 250 – 350 mL per minute
Solenoid	5 built-ins
Battery	Lithium-Ion Battery Pack, ST-LI-29E 2S1P, 2INR19/65 7.4V, 2,750mAh, 20.08Wh **Charging Time:** 3 Hours
Warranty	Full 2 years beginning at date of shipment to the buyer