ARA

SINGLE GAS DETECTION

H2S · CO · O2 · SO2

LOW MAINTENANCE, DISPOSABLE SINGLE GAS DETECTOR

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Unrivaled Gas Detection.

ION

ARA IS A PERSONAL, DISPOSABLE SINGLE GAS DETECTOR FOR H_2S, CO, SO_2, O_2 THAT PROVIDES INSTANTANEOUS ALARMS FOR LIFE-CRITICAL SAFETY SCENARIOS

Features

- 24 month or 36 month battery life options
- Easy to use with single button operation
- Live readings & instantaneous alarms to protect a user's workforce in hazardous environments
- Event logging download
- Adjustable low & high alarms
- User-configurable calibration and bump-test reminders
- Lifetime remaining countdown helps users to plan for future projects and site shutdowns

Self-Test

ARA's self-test feature tests the audio, visual & vibrating alarms, giving users confidence that they are in safe hands. Easy to perform in a single button press and with user-configurable reminders, the self-test reassures users that their device is in safe working condition.

Industries

- Oil & gas
- Manufacturing
- Government & defense
- Water
- Aerospace
- Power generation

Applications

- Site-wide safety
- Confined space entry
- Plant shutdown processes
- First response safety

ARA IR Link*

The IR Link enables ARA to communicate with a PC using infrared. The ARA PC allows users to download 30 recent event logs and configure user settings including:

- User ID
- Low alarm
- High alarm
- Displayed data (live reading or lifetime remaining)
- Calibration interval
- Bump-Test interval
- Self-Test interval

*ARA IR link sold separately

ARA models available

The ARA has 6 different models

Ara Models	Model Number
Hydrogen Sulphide (H_2S)	ARA100
Carbon Monoxide (CO)	ARA200
Oxygen (O_2)	ARA300
Sulphur Dioxide (SO_2)	ARA400
Hydrogen Sulphide (H_2S) Hibernation Option	ARA100H
Carbon Monoxide (CO) Hibernation Option	ARA200H

Hibernation Mode

Hydrogen Sulphide and Carbon Monoxide models have a hibernation option available which extends the run time from 24 to 36 months. The hibernation models also come with an extended warranty period.

Technical specifications

Sensor Type
- Single plug-in electrochemical cell

Detection Range
- H_2S: 0 to 100 ppm
- CO: 0 to 300 ppm
- SO_2: 0 to 50 ppm
- O_2: 0 to 25 %

Event Log Storage
- Last 30 events

Battery
- 3.6 VDC, 1.65 Ah, lithium battery

Battery Life
- Standard models: 24 months of operation (2 mins alarm per day)
- Hibernation models: 36 months of operation (2 mins alarm per day and using sleep function)

Approvals
- Ratings: Class I, Division 1, Groups A, B, C and D, T4; Class I, Zone 0, AEx ia IIC T4 Ga; Ex ia IIC T4 Ga; -40 °C ≤ Ta ≤ +60 °C: ARA100, ARA200, ARA400, ARA100H, ARA200H -30 °C ≤ Ta ≤ +60 °C: ARA300
- Applicable Standards: CAN/CSA C22.2 No. 60079-0:19 CAN/CSA C22.2 No. 60079-11:14 ANSI/UL 60079-0 7th ed. ANSI/UL 60079-11 6th ed

User Options
- User ID
- Low alarm
- High alarm
- Displayed data (live reading or lifetime remaining)
- Bump-Test interval
- Calibration interval
- Self-Test interval

Alarms
- Audio Alarm: (95 dB @ 10 cm)
- Visual Alarm: LED
- Vibrating Alarm: Vibrator (Operates at -14 °F to + 50 °F)

Temperature
- H_2S, CO, SO_2: - 40 °F to + 140 °F
- O_2: - 22 °F to + 140 °F
- Humidity: 5 - 95 % RH

Ingress Protection
- IP67

Display
- Liquid Crystal Display (LCD)

Weight & dimensions
- 0.20 lbs (92 g)
- 87 x 50 x 29 mm (3.4 x 2.0 x 1.1 inch)

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