

The ION Science ARA-X4 is a robust and reliable 4-gas compliance instrument designed to ensure worker safety in hazardous environments. This user-friendly monitor provides accurate, real-time measurements of critical gases, including oxygen (O2), carbon monoxide (CO), hydrogen sulfide (H2S), and combustible gases (LEL). With its durable construction, easy maintenance, and flexible sensor options, the ARA-X4 is an essential tool for confined space entry, personal health protection, and a wide range of industrial safety applications.

FEATURES

- Flexible sensor options including O2 (leaded or lead free), CO, H2S, LEL, HCN, SO2
- Durable IP67 ingress protection for use in hazardous locations: ATEX, IECEx, and UL (Pending)
- User-friendly interface with large LCD display and one button operation
- 95db audible alarm with vibrating alerts
- Massive 60,000 data points and 50 event logs
- Backed by a 5-year warranty

APPLICATIONS

- Confined space
- Personal health protection
- Oil & Gas
- Petrochemical
- Chemical Industry
- Construction
- Fire Services
- Water/Wastewater Treatment
- Mining



CALL GEOTECH TODAY

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Technical Specifications	
Electrochemical Gas Sensor Options	CO, H ₂ S, Dual Tox (CO/H ₂ S), O ₂ , SO ₂ , HCN
Flammable Sensors Options	LEL Pellistor (CH ₄), LEL NDIR (CH ₄)
Event Log Storage	50 bump logs 50 calibration logs 50 event logs 60,000 data logs
Battery	Li-ion battery, DC 3.7V, 2000mAh
Battery Life	LEL Pellistor Model: 18 hours LEL IR model: 60 days*
Status Indicator	Visual Audible Vibrating Alarm 6 red/green LED, plus 1 green LED (confidence) 95dB @ 30cm Vibrator (temperatures greater than -10 °C)
Display	LCD: 45 x 45 mm, internal backlight (red & green), FTSN, COG 128 x 128 graphic LCD, FPC
Operational Temperature	-20 °C to +55 °C, 5 ~ 95% RH
Ingress Protection	IP67
Communication	IR Communication to ARA-X4 PX software via IR link
Weight & Dimensions	<300g, 67 x 140x 34mm
Certification	ATEX: II 2G Ex db ib IIC T4 Gb IECEX: Ex db ib IIC T4 Gb UL: Pending
Warranty	5 years**

Sensor Specifications						
Sensor	Range	Resolution	Low Alarm	High Alarm	Warranty	Expected Lifetime
O ₂ (lead ed)	O ₂ : 0 to 25%	0.1%	19.5%	23.5%	2 years	>24 months in air
O ₂ (lead free)	O ₂ : 0 to 25%	0.1%	19.5%	23.5%	3 years	>60 months in air
CO**	CO: 0 to 500 ppm	1 ppm	35 ppm	200 ppm	2 years	>24 months in air
H ₂ S**	H ₂ S: 0 to 100 ppm	0.1 ppm	10 ppm	15 ppm	2 years	>24 months in air
CO/H ₂ S Dual	CO: 0 to 500 ppm H ₂ S: 0 to 100 ppm	CO: 1 ppm H ₂ S: 0.1 ppm	CO:35 ppm H ₂ S: 10 ppm	CO: 200 ppm H ₂ S: 15 ppm	2 years	>24 months in air
LEL (Pellistor)	LEL: 0 to 100% LEL	0.1%	10%	20%	1 year	>24 months in air
LEL (IR)	LEL: 0 to 100% LEL	0.1%	10%	20%	3 years	>60 months in air
HCN	HCN: 0 to 30 ppm	0.1 ppm	4.5 ppm	10 ppm	1 year	>24 months in air
SO ₂	SO ₂ : 0 to 20 ppm	0.1 ppm	5 ppm	10 ppm	1 year	> 24 months in air

*Based on 11 hours of use per day

** Excluding consumables and sensors. Please refer to warranty statement for full details

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