

Specifications Sheet

AXEN™ AX1

Portable Single Gas Monitor

- Robust, compact, and light
- Fast sensor response
- O_2 sensor is warranted for three years
- Replaceable battery with two-year runtime

The Axen™ AX1 single gas monitor is primarily used to protect personnel lives by detecting the presence of hydrogen sulfide, carbon monoxide or oxygen.

The Axen™ AX1 instrument is robust and light, with an IP68 level of ingress protection, and is suitable for working in changing, hazardous environment. The industry-leading ultra-fast T90 response time can detect gas hazards on the job in real time to ensure worker safety, saving valuable time. To meet the needs of long-term operation, the high-performance lithium battery can operate under extreme weather conditions continuously for two years.

There are two visual red alarm LEDs, in addition to both an audible and vibration alarm when the gas concentrations exceed the high, low, TWA, or STEL alarm preset values.

INSTRUMENT CONFIGURATIONS

PART NUMBER	DESCRIPTION
AX1-015211	CO, 2000 PPM, Orange
AX1-023211	H_2S, 500 PPM, Orange
AX1-030211	O_2, 30%VOL, Orange

OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
1810-2298	Regulator (1/2 L/min flow)
1810-0859	CYL, 25 PPM H_2S
1810-2163	CYL, 100 PPM CO
18109705	Docking station, T-DOCK™

SPECIFICATIONS

INSTRUMENT WARRANTY
Axen AX1 monitor carries a two-year warranty from the date of shipment and is supported by Industrial Scientific Corporation (excludes batteries, clips, calibration caps and filters). CO and H_2S sensors are warranted for two years. O_2 sensor is warranted for three years.

DISPLAY
Segment LCD

KEYPAD
Two buttons

CASE MATERIALS
Polycarbonate with a protective rubber over-mold

ALARMS
Visual (two red LEDs); Audible (95db); Vibration, TWA, STEL

DIMENSIONS / WEIGHT
82 x 60 x 27 mm (3.23" x 2.36" x 1.06") / 85g (3oz)

EVENT LOGGING
Up to 100 alarm events and 30 error events

INGRESS PROTECTION
IP 66/68

TEMPERATURE RANGE
-40 °C to 50 °C (-40 °F to 122 °F)

HUMIDITY RANGE
5% to 95% Non-condensing

SENSORS
CO, H_2S, O_2 – Electrochemical sensor technology

SENSOR MEASURING RANGES

Gas Type	Range	Resolution	T90
CO	0-2000 ppm	1 ppm	<10s
H_2S	0-500 ppm	0.1 ppm	<10s
O_2	0-30 %vol	0.1 %vol	<10s

BATTERY
3.6 V Primary Lithium-thionyl chloride (Li-$SOCl_2$), 1.5AH, 2/3AA , replaceable

RUN TIME
Up to two years of runtime, depending on operating conditions.

CERTIFICATIONS

cCSAus	Class I, Division 1, Groups A, B, C, D T4 Class I, Zone 0, AEx ia IIC T4 Ga Ex ia IIC T4 Ga
ATEX	Ⓔx I M1 Ex ia I Ma II 1G Ex ia IIC T4 Ga
IECEx	Ex ia I Ma Ex ia IIC T4 Ga



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INDUSTRIAL SCIENTIFIC
www.indsci.com Rev 0726

AMERICAS
Phone: +1-412-788-4353
1-800-DETECTS (338-3287)
info@indsci.com

ASIA PACIFIC
Phone: +65-6561-7377
Fax: +65-6561-7787
info@ap.indsci.com

EMEA
Phone: +33 (0)1 57 32 92 61
Fax: +33 (0)1 57 32 92 67
info@eu.indsci.com