

Be sure, be safe.

**COSMOS**

MULTI-GAS DETECTOR

# XA-4000II SERIES

## Real-Time Detection of Gases

LEL, O<sub>2</sub>, H<sub>2</sub>S and CO



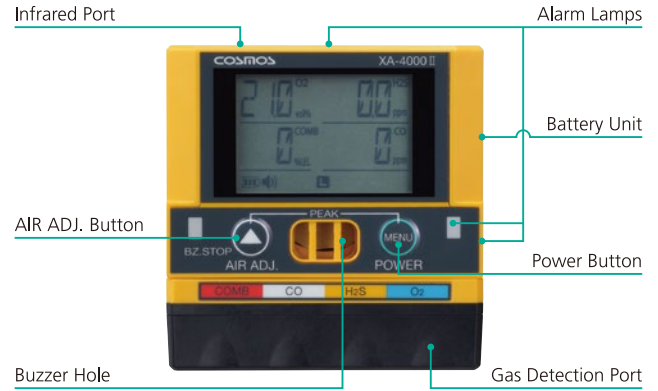
### Approvals

- ATEX
- UL

**Features**

- **40 hours or more of continuous operation with a single AAA Battery** (when used in long-life mode)
- **Compact and lightweight**  
70 (W) x 72 (H) x 20 (D) mm, approx. 130g
- **Sounding alarm, three flashing lights and vibration**  
Alarm more than 95dB/ 30cm
- **Ingress Protection is IP67**  
Water and dust proof. Can be used outdoors on a rainy day
- **Sensor life of 3 years**

**Part Names**



**Specifications**

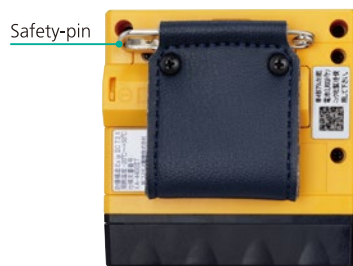
Model	XA-4400II			
Target Gas	Combustible Gas (Methane or Isobutane)	Oxygen	Hydrogen Sulfide	Carbon Monoxide
Sensor Type	Catalytic	Galvanic Cell	Electrochemical	Electrochemical
Sampling Method	Diffusion Type			
Detection Range	0 - 100%LEL (101-110%LEL)*	0-25.0vol% (25.1-50.0vol%)*	0-30.0ppm (30.1-50.0ppm)*	0-300ppm (301-2000ppm)*
Display Resolution	1%LEL	0.1vol%	0-35ppm: 0.1ppm (35-150ppm: 0.5ppm)	0-350ppm: 1ppm (350-2000ppm: 5ppm)
Alarm Set Value	1 <sup>st</sup> alarm: 10%LEL 2 <sup>nd</sup> alarm: 30%LEL	1 <sup>st</sup> alarm: 19.5vol% 2 <sup>nd</sup> alarm: 18.0vol%	1 <sup>st</sup> alarm: 10.0ppm 2 <sup>nd</sup> alarm: 15.0ppm [TWA: 10.0ppm] [STEL: 15.0ppm]	1 <sup>st</sup> alarm: 50ppm 2 <sup>nd</sup> alarm: 150ppm [TWA: 25ppm] [STEL: 300ppm]
Operating Temperature/Humidity	-20 to 50 degrees C, 30 to 85%RH (non condensing)			
Continuous Use Time	Approx. 40 hours when the long-life mode is ON / Approx. 20 hours when the long-life mode is OFF Approx. 1200 hours without combustible gas sensor (at 25 degrees C, without alarm, backlight OFF)			
Power Source	1 x AAA Panasonic alkaline battery			
Display	LCD			
Gas Alarm	Buzzer sound, Flashing RED lamp, Vibration, LCD (automatic recovery)			
Approvals	Ex ia IIC T3 Ga			
Ingress Protection	IP67			
Functions	Self-diagnosis (sensor trouble), Automatic air adjustment, Remaining battery level indication Peak-hold, LCD backlight, Buzzer stop for gas alarm, Time & Temperature indication, Alarm test, Buzzer volume, Silent mode, Long-life mode, Data logging (datalogger kit is necessary for logging)			
Dimensions	70 (W) x 72 (H) x 26 (D) mm			
Weight	Approx. 130g			
Accessories	Safety-Pin band, alkaline battery, 2 x filter element for replacement			
Options	Datalogger kit, soft case, belt clip			

\* Service Range

**Water and Dust Proof**



**Wearable**



**Specify Target Gases**

	Model	LEL	O <sub>2</sub>	H <sub>2</sub> S	CO
4-gas	XA-4400II	✓	✓	✓	✓
3-gas	XA-4300IIKHS	✓	✓	✓	
	XA-4300IIKCS	✓	✓		✓
2-gas	XA-4200IIKS	✓	✓		
	XA-4200IIKH	✓		✓	
	XA-4200IIKC	✓			✓
	XA-4200IIHS		✓	✓	
	XA-4200IICS		✓		✓

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**SAFETY WARNING**

Carefully read the instruction manual prior to use.  
Select and use the device designed to detect the required type of gas. Use of a wrong sensor type may cause an accident.