



Specifications				
Model	XA-4400			
Gas Detected	Combustible gas (methane / iso-butane)	Oxygen	Hydrogen sulfide	Carbon monoxide
Detection Principle	Catalytic combustion	Galvanic cell	Electrochemical cell	Electrochemical cell
Sampling Method	Diffusion			
Detection Range (service range)	0-100%LEL (101 – 110%LEL)	0-25.0vol% (25.1-50.0vol%)	0-30.0ppm (30.1-150.0ppm) <sup>*1</sup>	0-300ppm (301-2,000ppm) <sup>*2</sup>
Alarm Set Value	1 <sup>st</sup> stage: 10%LEL 2 <sup>nd</sup> stage: 30%LEL	1 <sup>st</sup> stage: 19.5vol% 2 <sup>nd</sup> stage: 18.0vol%	1 <sup>st</sup> stage: 10.0ppm 2 <sup>nd</sup> stage: 15.0ppm TWA: 10.0ppm STEL: 15.0ppm	1 <sup>st</sup> stage: 50ppm 2 <sup>nd</sup> stage: 150ppm TWA: 25ppm STEL: 300ppm
Operating Temperature	-10 to 40 degrees C, 30 to 85%RH (non condensing)			
Power Source	2 x AA alkaline dry cells			
Display	LCD display			
Alarm Mode	Buzzer, flashing red lamps, flashing LCD display, vibration			
Battery Life <sup>*3</sup>	Approx. 15 hours (at 25 degrees C without alarm, backlight and data logging)			
Explosion-proof Structure	Ex iad II BT3 (Japan)			
Degree of Protection	Equivalent to IP67 <sup>*4</sup>			
Functions	<ul style="list-style-type: none"> <li>• Automatic backlight</li> <li>• Peak hold (lower limit for oxygen)</li> <li>• Alarm test</li> <li>• Change of alarm set value setting (unlock)</li> <li>• Self-diagnosis function</li> <li>• Auto zero adjustment (oxygen: 21vol%)</li> <li>• Display remaining battery life, temperature and time</li> <li>• Change alarm volume setting (unlock)</li> <li>• Data logging (optional data logger is required)</li> <li>• TWA/STEL function</li> </ul>			
Dimensions	79 (W) x 89 (H) x 33 (D) mm (excluding protrusions)			
Weight	Approx. 230g (including batteries)			
Standard Accessory	2 x AA alkaline dry cells, belt clip, replacement filter element			
Options	Soft case, arm belt, neck strap, calibration jig, inspection set for hydrogen sulfide, logging data set, pump unit set, 1m gas sampling hose, 8m gas sampling hose			

<sup>\*1</sup> Increments of 0.5 ppm between 35.0 and 150.0 ppm.  
<sup>\*2</sup> Increments of 5 ppm between 350 and 2,000 ppm  
<sup>\*3</sup> It may vary according to the environmental condition, condition of use, storage period, battery manufacturer, etc  
<sup>\*4</sup> It is a dust-proof, waterproof structure that satisfies the test of New Cosmos Electric complying with JIS C 0920-2003 Ingress Protection code IP67 in condition of new Multi-gas Detector.


Standard Accessory




Belt clip



Soft case (C-15)




Arm belt (ST-9)



Neck strap (ST-10)

Optional Accessory



**Logging Data Set (XA4000L)**  
Retrieves data received via infrared communication into the computer.

Model	XA4000L
Contents	Infrared adapter, adapter holder, USB cable, data download software
Dimensions	161(W) x 58(H) x 110(D) mm (excluding protrusions)
Weight	Approx. 300g (including Multi-gas Detector and batteries, excluding USB cable)



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COSMOS

Multi-Gas Detector

XA-4000 series

Capable of detecting 4 gases at once









- OXYGEN 
- COMBUSTIBLE GAS 
- HYDROGEN SULFIDE 
- CARBON MONOXIDE 
- + 
- TEMPERATURE

Can be used as Extractive Type with Pump Unit Set (optional)

Wearable

Compact and wearable for workers' safety.

Arm belt	Neck strap	Belt clip
		
		

- Application
- Confined space
  - Refineries
  - Construction
  - Electric power
  - Communications
  - Sewerage
  - Fire service
  - Chemical plants
  - Petrochemical plant
  - Shipyard
- Keeps workers safe in tanks, manholes, and underground worksites.



Structure



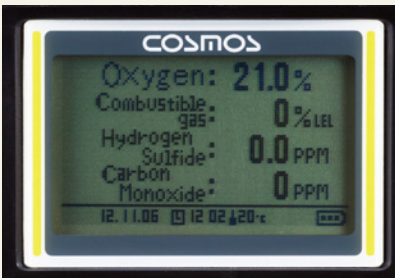
Model Type

8 models available according to the target gases.

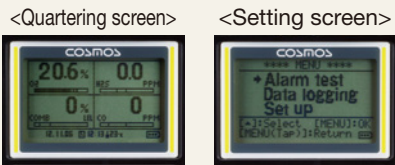
XA-4400	Comb.gas	H2S	CO	O2
XA-4300H	Comb.gas	H2S	O2	
XA-4300C	Comb.gas	CO	O2	
XA-4200KS	Comb.gas	O2		
XA-4200KH	Comb.gas	H2S		
XA-4200KC	Comb.gas	CO		
XA-4200H-n	H2S	O2		
XA-4200C-n	CO	O2		

Features

1 Display Type



- Large LCD display
- Automatic backlight
- Two types of display



2 Alarm Functions



- Three dimensions alarm lamps – Alerts the users in dark environment
- Buzzer alarm – Set at a frequency which human hear
- Vibration – Alerts the user even in a noisy environment

3 2 x AA alkaline batteries



- Capable of 15 hours of continuous operation.
- XA-4200H-n and XA-4200C-n can operate for approx. 60 hours continuously.

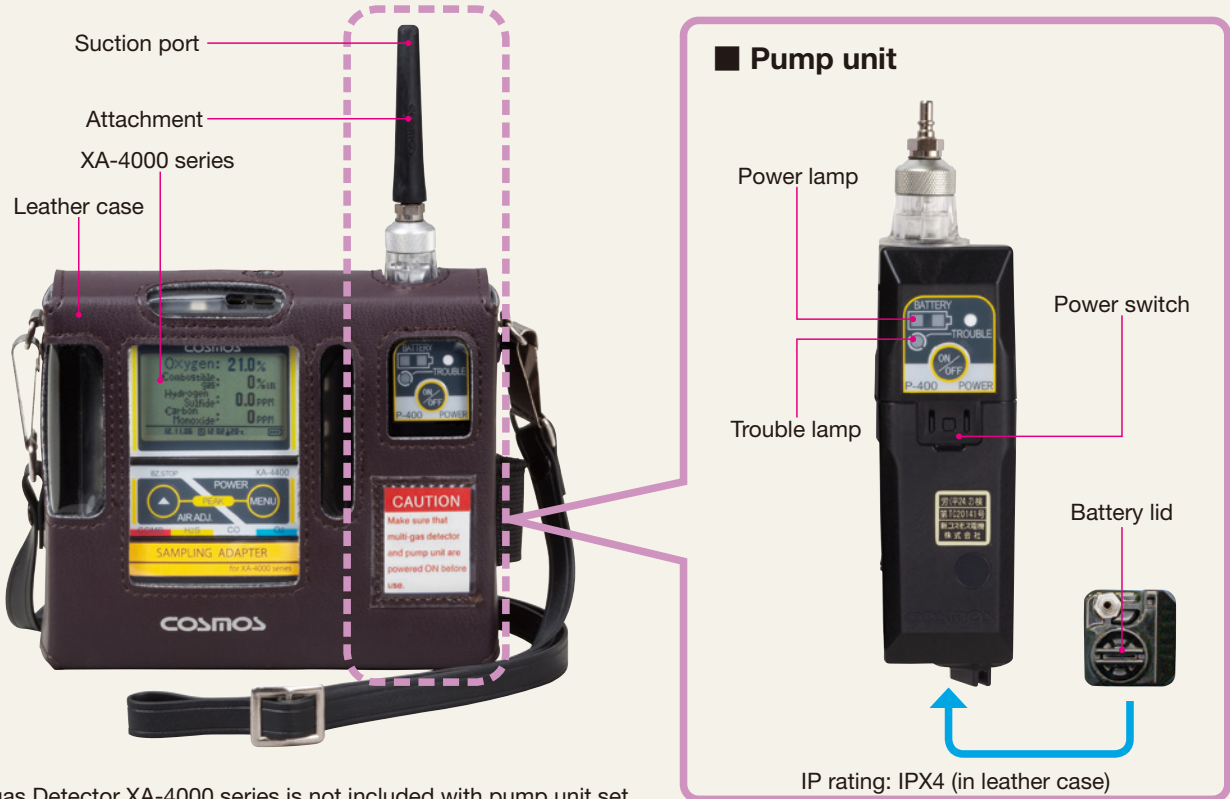
5 Reduction in Size and Weight

- 79 (W) x 89 (H) x 33 (D) mm
- Weight 230g (including batteries)

6 Intrinsically Explosion-proof: Ex iad II BT3 (Japan)

Pump Unit Set PA-4000(optional)

Diffusion type Multi-gas Detector XA-4000 series can be used as Extractive Type by attaching Pump Unit Set PA-4000.



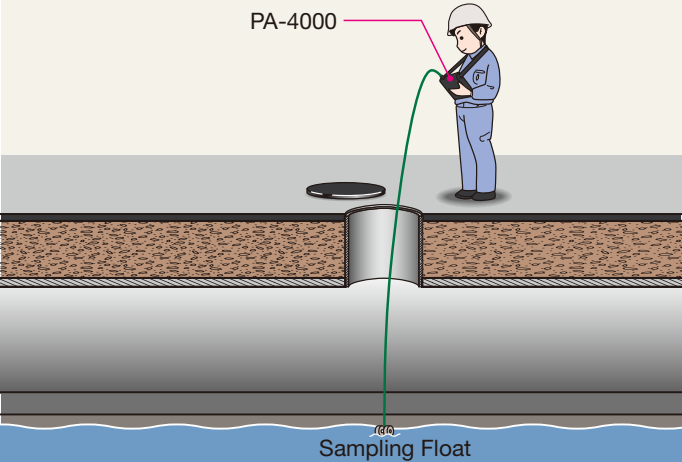
Multi-gas Detector XA-4000 series is not included with pump unit set.

Specifications of Pump Unit Set

Model	PA-4000
Contents	Pump unit, sampling adapter, attachment (with connection tube), 1 x AA alkaline battery, leather case (with shoulder belt), filter element (2pcs)
Dimensions	130 (W) x 110 (H) x 43 (D) mm (excluding protrusions)
Weight	Approx. 525g (including XA-4000 series and battery)
Battery life *	Approx. 30 hours (at 30 degrees C without trouble)
Option	1m gas sampling hose set, 8m gas sampling hose set

\* The actual battery life may vary according to the environmental condition, condition of use, storage period, battery manufacturer, etc..

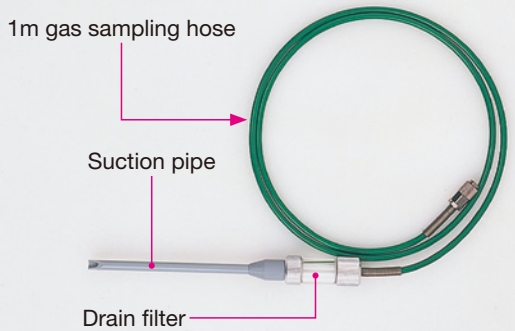
8m gas sampling hose set (optional)



Able to confirm the safety before commencing the work by using pump unit set and 8m sampling hose.

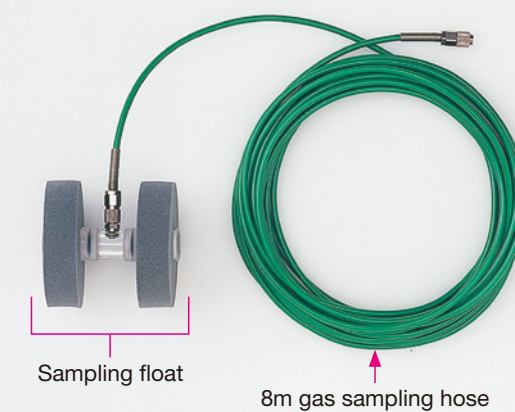
Optional Item

1m gas sampling hose set



- 1m gas sampling hose (with drain filter)
- Suction pipe

8m gas sampling hose set



- 8m sampling hose
- Sampling float
- Storage case