

Be sure, be safe.

**COSMOS**

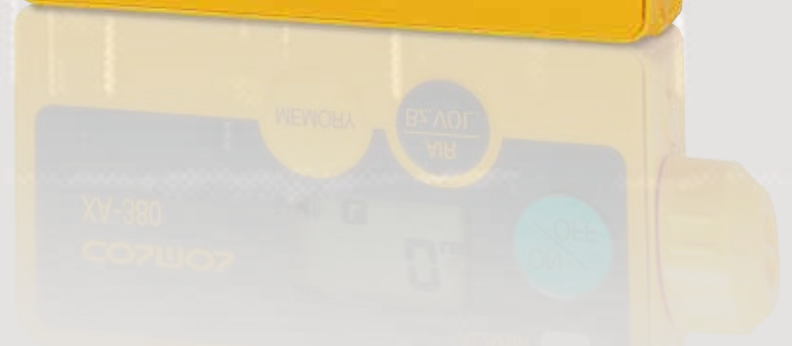
PERSONAL COMBUSTIBLE GAS DETECTOR

# XA-380

## Real-Time Detection of Combustible Gas

Methane, Iso-butane or Hydrogen

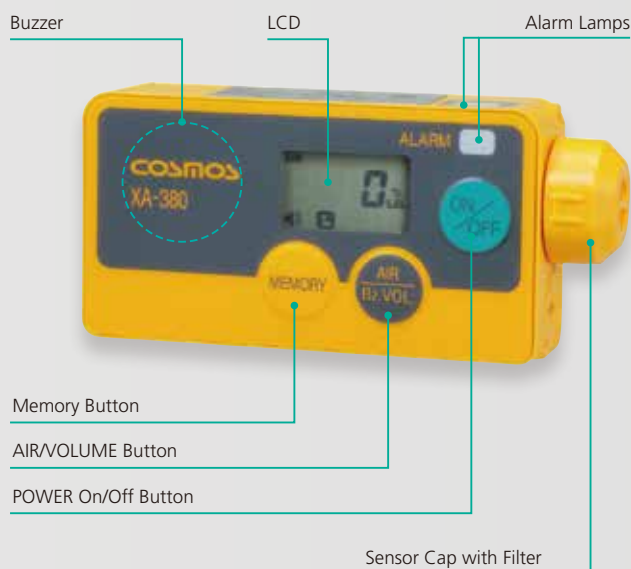
*34 hours or more of continuous operation with a single AAA battery!  
Hydrogen explosion proof!*



## FEATURES

- **34 hours or more of continuous operation with a single AAA battery** (when used in long-life mode)
- **Compact and lightweight**  
Pocket-size. 40 (H) x 86 (W) x 20(D) mm. only 63g in mass.
- **Alarm memory function**  
Can review up to 30 alarm events.
- **Sounding alarm, two flashing lights and vibrations**
- **Degree of Protection is equivalent to IP54**  
Splash and dust proof. Can be used outdoors on a rainy day.
- **Intrinsically safe type explosion proof (Ex ia II CT 3)**  
Complies with hydrogen explosion proof requirements.

## PART NAMES



## SPECIFICATIONS

<b>Model</b>	<b>XA-380</b>
<b>Detection Principle</b>	Catalytic Combustion
<b>Sampling Method</b>	Diffusion
<b>Target Gas</b>	Methane, Iso-butane, or Hydrogen (Please specify)
<b>Detection Range</b>	0 – 100%LEL
<b>Indication Accuracy*1</b>	+/-10%LEL
<b>Resolution</b>	1%LEL
<b>Alarm Set Value</b>	1st stage: 10%LEL, 2nd stage: 25%LEL
<b>Gas Alarm Method</b>	Buzzer sounds, red flashing lights, LCD indication, and vibrations (self resetting)
<b>Power Source</b>	1 x AAA alkaline battery (made by PANASONIC)
<b>Continuous Operation Time (Battery Life)*2</b>	More than 17 hours (when the long-life mode is off) More than 34 hours (when the long-life mode is on)
<b>Operating Temperature and Humidity</b>	-20 to 50 °C , 30 to 85%RH
<b>Degree of Protection</b>	Equivalent to IP54 *3
<b>Main Functions</b>	Self-diagnosis (sensor error, zero adjustment error), Auto air adjustment (zero adjustment), battery level indication, buzzer level setting, alarm memory (you can review up to 30 alarm events), peak hold, LCD backlight, LCD display test, and alarm test
<b>Explosion-proof</b>	EX ia II CT 3 (Japan, intrinsically safe type explosion proof)
<b>Dimensions</b>	40 (H) x 89 (W) x 20 (D) mm (protrusions excluded)
<b>Mass</b>	Approx. 63g (battery excluded)
<b>Standard Accessories</b>	AAA alkaline battery (Panasonic) x 1. Safety-pin x 1. Sensor cap with filter x1.
<b>Optional Accessories</b>	Black case

\*1: Indication accuracy is specified assuming that measurement conditions are the same.  
 \*2: When operated at 25°C with the backlight off and no alarm. The battery life may vary depending on environment and conditions of use, storage period, etc.  
 \*3: shows result when new samples were tested in accordance with IP54 requirements.

Safety-pin



Black Case (Optional)



■ Splash and Dust proof



■ Wearable

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### SAFETY WARNING

Read the operating instructions thoroughly before use. Always operate in accordance with the instructions.  
 Be sure to choose the sensor designed to detect the required type of gas. Use of the wrong sensor type could cause an accident.

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