

Be sure, be safe.

**COSMOS**

Carbon Dioxide Detector

# KS-7R

**Reliable NDIR CO<sub>2</sub> detector**



**CE**



**Features**

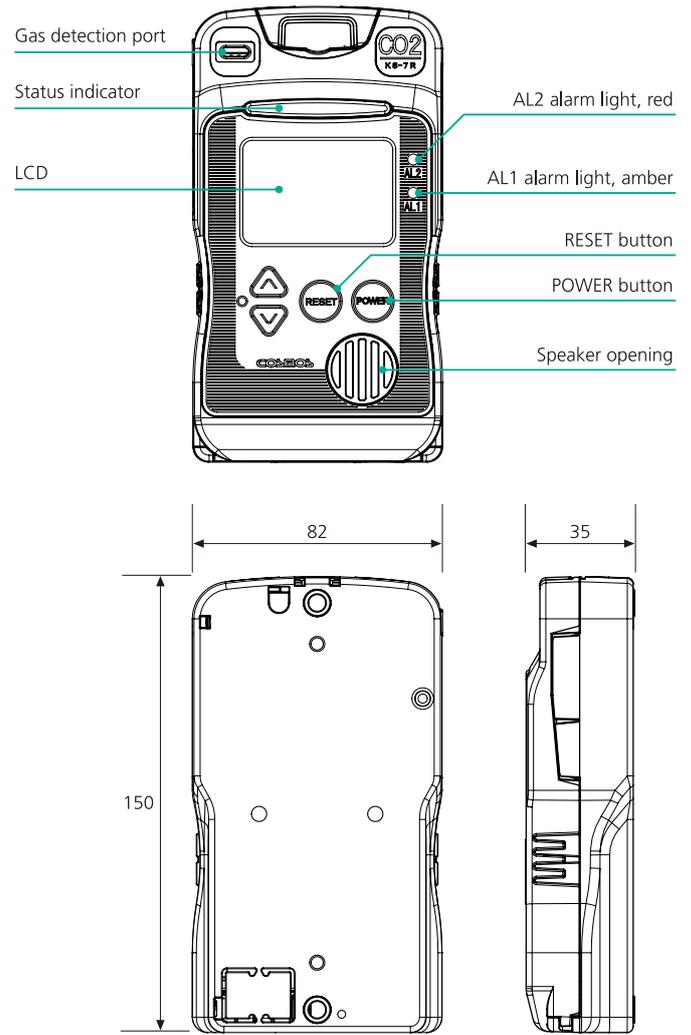
- Clear flowing LED lights for gas alarm indication
- Automatic backup power to operate under electric power failure for more than 2 weeks (350hrs.)
- Small and lightweight for easy installation
- Clear, easy to read LCD display with back ground light
- Build in alarm buzzer 70dB/1m

**Specifications**

Model	KS-7R
Gas Detected	Carbon Dioxide
Detection principle	NDIR
Detection Range *1	360 to 5000 ppm
Concentration Indication	LCD 4-digit digital, 5ppm resolution (with backlight)
Alam Set Value	AL1: 2000ppm AL2: 5000ppm
Alarm Indication	1st stage: Orange LED blinks, flowing Orange status indicator 2nd stage: Red LED blinks, flowing Red status indicator Buzzer
External Output	Gas concentration analog output: 4-20mA DC Gas alarm contact for 1st and 2nd stage: 1a non-voltage Latching (standard) or non-latching
Compliance	CE (EMC & RoHS directives)
Other Functions	Maintenance mode, alarm stop
Operating Temperature/humidity	-10 to + 50 °C / 0 to 85 %RH (No rapidrapid temperature/humidity changes. No condensation)
Power Supply	24 VDC ±10%
Power Consumption	Monitoring: 1W, During alarm: 3W
Dimensions	W82 x H150 x D35 mm (excluding protrusions)
Weight	Approx. 300g

\*1 Don't use the detector in a place where Carbon Dioxide is 360ppm or below.

**Appearance and Part Names**



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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.