

Be sure, be safe.

COSMOS

Carbon Dioxide Detector

# KS-7R

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



CE

## Features

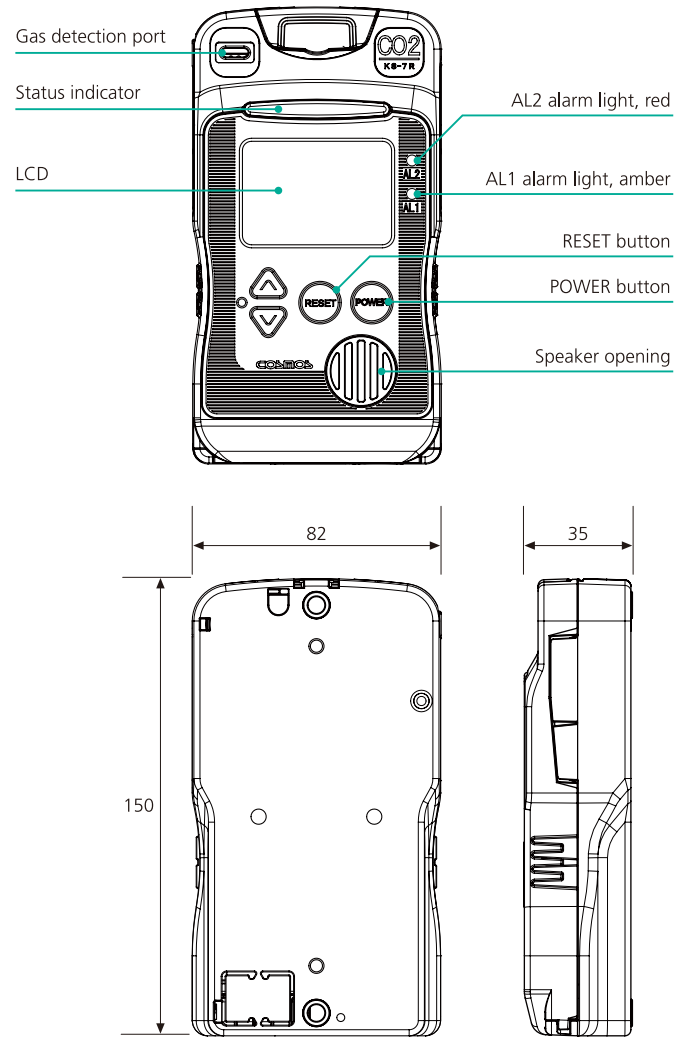
- Clear flowing LED lights for gas alarm indication
- Small and lightweight for easy installation
- Clear, easy to read LCD display with back ground light
- Build in alarm buzzer 70dB/1m

## 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)
Alarm 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



## NEW COSMOS ELECTRIC CO., LTD.

NEW COSMOS ELECTRIC CO., LTD. [Overseas Business Division]  
2-6-2 Hamamatsu-cho, Minato-ku, Tokyo 105-0013 JAPAN  
TEL. +81-3-5403 2715 Email. e-info@new-cosmos.co.jp  
www.newcosmos-global.com

NEW COSMOS ELECTRIC (SHANGHAI) CO., LTD.  
4th Plant No.385, Dongxing Road, Songjiang Industrial Zone, Shanghai, China 201613  
TEL. +86-21-6774 3138 Email. info@new-cosmos.com.cn www.new-cosmos.com.cn

NEW COSMOS ELECTRIC KOREA CO., LTD.  
805-806, 10, Seongnam-daero 43beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do,  
Republic of Korea  
TEL. +82-31-703-3102 Email. info@new-cosmos.co.kr www.new-cosmos.co.kr

## New Cosmos USA, Inc.

121 S. Wilke Road, Suite 410, Arlington Heights, IL 60005, USA

## NEW COSMOS-BIE B.V.

Maxwellstraat 7, NL-1704 SG, Heerhugowaard, the Netherlands  
TEL. +31-72-576 5630 Email. sales@newcosmos-europe.com  
www.newcosmos-europe.com

## NEW COSMOS ELECTRIC CO., LTD. [Taiwan Office]

8F, No.419, Sec.2, Gongdao 5th Road, Hsinchu city, Taiwan 30070  
TEL. +886-3-574 4593 Email. cosmost1@ms75.hinet.net

## NEW COSMOS ELECTRIC CO., LTD. [Thailand Office]

4345 Bhiraj Tower at BITEC, 23rd Floor, Unit. 23090, Sukhumvit Rd., South Bangna,  
Bangna, Bangkok 10260 Thailand  
TEL. +66-95-558-5067



## 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.