



# **New Cosmos Electric Co., Ltd.**

**Gas Detector with built-in NDIR Sensor**

# **KS-7R**

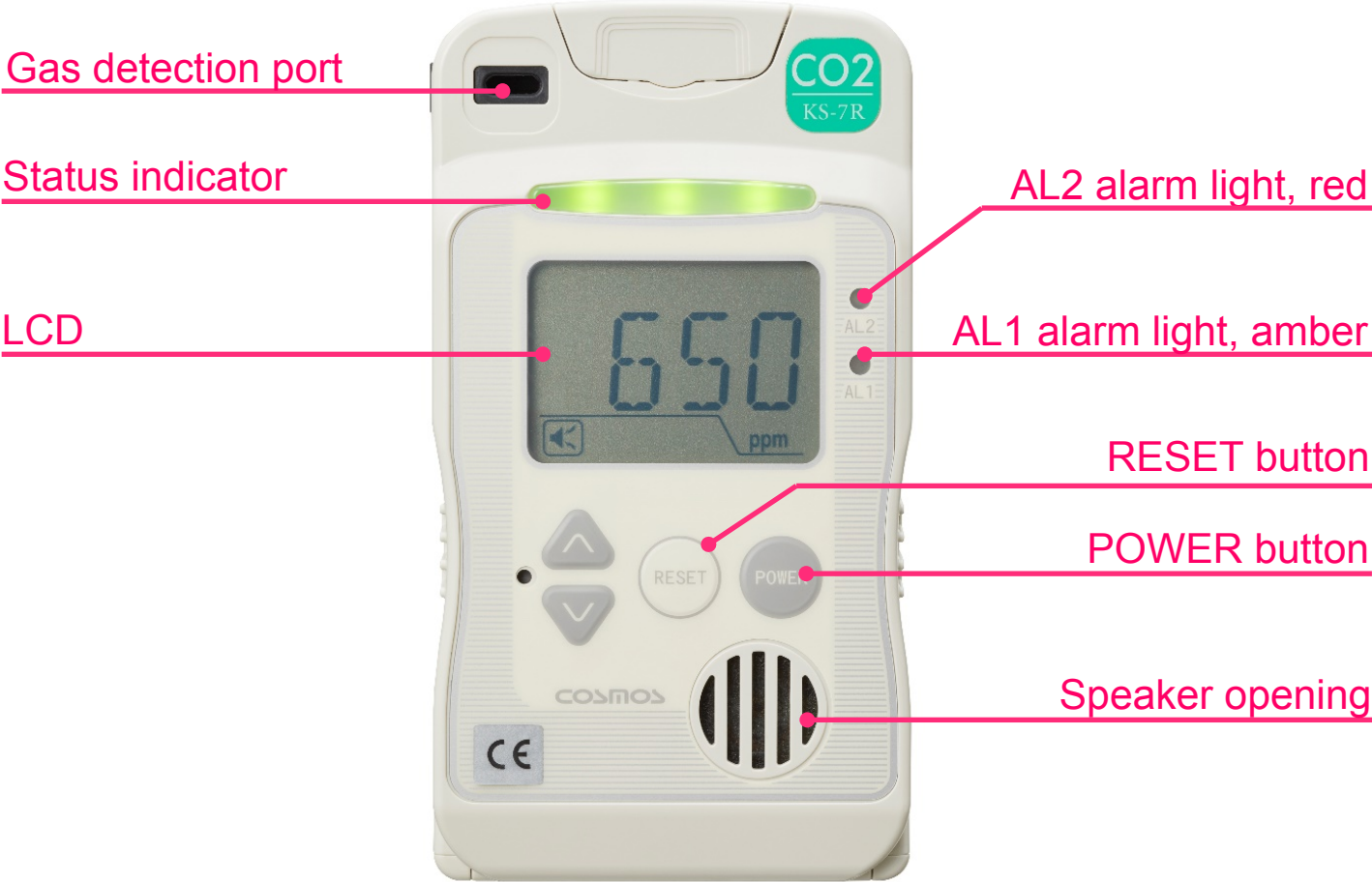
# KS-7R Overview



- Compact and light weight
  - W82 x H150 x D35 mm
  - Approx. 300 g
- Automatic backup power
  - More than 2 weeks (350hr.)
- Large LCD display
  - Easy to read
  - With back ground light
- Clear flowing LED lights when alarming
- Made in Japan



# Appearance



# Applications

- TWA: **5,000ppm**
- 250 ppm to 350 ppm in the ambient air
- 2,000 to 5,000 ppm: **Headache, Sleepiness, Vomiting...**

Plant factory



Office & School



Hospital & Laboratory



Rice warehouse



AC & Home appliances



Brewery



# Specifications

<b>Target gas</b>	<b>CO2 (Carbon dioxide)</b>
<b>Detection range</b>	<b>360-5,000 ppm</b>
<b>Alarm setting value</b>	<b>1<sup>st</sup> : 2,000 ppm 2<sup>nd</sup> : 5,000 ppm</b>
<b>Accuracy</b>	<b>±5% of Full scale</b>
<b>Applicable cable</b>	<b>0.5 to 1.25mm<sup>2</sup> shielded cable (Length: Up to 500m)</b>
<b>Warning display</b>	<b>1<sup>st</sup>: Orange LED blinks, flowing Orange status indicator 2<sup>nd</sup>: Red LED blinks, flowing Red status indicator, buzzer</b>
<b>External output</b>	<b>4 to 20mA analog output, Gas alarm contact: 1a non - voltage</b>
<b>Gas concentration display</b>	<b>4-digit digital LED display (5 ppm resolution)</b>
<b>Approval</b>	<b>CE (EMC &amp; RoHS directives)</b>
<b>Other functions</b>	<b>Maintenance mode, alarm stop</b>
<b>Temp. and Humidity</b>	<b>-10 to 50 degrees C, 10 to 85%RH</b>
<b>Power supply</b>	<b>24VDC</b>
<b>Power consumption</b>	<b>Monitoring: 1W During alarming: 3W</b>
<b>Dimensions</b>	<b>82(W) x 150(H) x 35(D)mm</b>
<b>Weight</b>	<b>Approx. 300.g</b>