# KMD300

## 300 Series carbon monoxide (CO) detector and base

### Application

The KMD300 detector is designed as a carbon monoxide detector for the KM300 CO detection systems. The KMD300 is an intelligent device that delivers is carbon monoxide reading to the control panel for visualization via a 3-wire bus system.



### Details

- Complies with UNE 23300:1984, CE, WEEE, RoHS
- Microprocessor based, SMT technology
- Electrochemical CO sensor with high gas discrimination
- Resolution of up to 1 ppm, less than 5% error in measurement
- Fast response time
- No calibration required
- Low current consumption
- BI-Colour diagnostic LED
- Supported by KM300 CO panels
- Usefull life of 5 years
- Number of detectors per zone <15

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## Technical specifications

### Electrical

| | |
|---|---|
| Operating voltage | 10 to 20 VDC (supply voltage) |
| Current consumption | 6 mA (quiescent current)<br>15 mA (alarm current) |

### Detection

| | |
|---|---|
| Detection principle | Electrochemical |
| Coverage area | 300 m² max. |
| Range | 0 to 300 ppm |

### Physical

| | |
|---|---|
| Physical dimensions | 124 x 62 mm (Ø x H, including base) |
| Net weight | 0.3 kg |

### Environmental

| | |
|---|---|
| Operating temperature | -10 to +40°C |
| Storage temperature | -10 to +70°C |
| Relative humidity | 10 to 95% |
| IP rating | IP42 |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Detection device | KZD705 | Kilsen KC700 / KA700 / KM300 series deep point detector base |
| Panel | KM301 | Carbon Monoxide Control Panel for Car Parks - 1 Zone |
| Panel | KM302 | Carbon Monoxide Control Panel for Car Parks - 2 Zones |
| Panel | KM303 | Carbon Monoxide Control Panel for Car Parks - 3 Zones |
| Panel | KM304 | Carbon Monoxide Control Panel for Car Parks - 4 Zones |

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Last updated on 5 March 2026 - 10:25