

CO Detector

Model No.: BT-CO707

Product Overview:

The BT-CO707 is a high-precision, standalone Carbon Monoxide detector designed to monitor and alert occupants of dangerous CO gas concentrations. Using an advanced electrochemical CO sensor, it ensures accurate detection and early warning of toxic carbon monoxide buildup. With battery-powered operation, built-in buzzer, digital display, and LED status indicators, this detector is ideal for residential and commercial safety applications without requiring wiring or a control panel.

Special Features:

- As per IS -2189 Standard.
- Advanced electrochemical CO sensing technology
- Digital LCD display showing real-time CO levels
- Standalone battery-powered operation (no wiring required)
- Fault / Alarm / Power LED indicators
- Loud audible alarm (≥ 85 dB @ 3m)
- Auto reset when CO levels drop
- Test & silence button for user convenience
- Low battery warning signal
- High reliability with minimal false alarms
- Easy installation with twist-lock mounting base



Technical Specifications:

Operating Conditions:

- **Operating Temperature:** 0°C to 55°C
- **Storage Temperature:** -10°C to 60°C
- **Relative Humidity:** 0–95% RH (non-condensing)

Electrical Specifications:

- **Power Source:** 9V battery (Alkaline recommended)
- **Operating Current:** ≤ 150 mA
- **Alarm Current:** ≤ 30 mA
- **Alarm Sound Level:** ≥ 85 dB @ 3 meters
- **Alarm Indicators:** Red LED (Alarm) Green LED (Power) Yellow LED (Fault)
- **Digital Display:** Real-time CO concentration (ppm)
- **Low Battery Warning:** Chirp + LED flash
- **Relay Contact Rating:** 1A @ 30VDC

Detection Specifications:

- **Sensor Type:** Electrochemical CO sensor
- **Detection Range:** 0–999 ppm
- **Alarm Thresholds (Typical):** 30 ppm (long-term exposure), 50 ppm (sustained warning), 100–300 ppm (rapid alarm)
- **Response Time:** ≤ 10 seconds at high concentration
- **Reset Method:** Automatic after gas clear

Mechanical Specifications:

- **Dimensions:** Ø100 mm × 50 mm (including base)
- **Weight:** Approx. 0.100 Kg (without Packaging)
- **Material:** ABS fire-retardant housing
- **Color:** White
- **Mounting Base:** Ceiling or wall-mounted using twist-lock base
- **IP Rating:** Ip30

Wiring Diagram:

