**ᗡhua** | **WISUALARM**
TECHNOLOGY

# DHI-HY-GC20C
## Standalone Carbon Monoxide Alarm



- High-performance Figaro electrochemical CO sensor to deliver accurate detection of carbon monoxide leakage and respond quickly
- Long standby time, low power consumption, 10-year battery life
- Support low battery warning, one-click silence, and self-test
- Informative and easy-to-read CO concentration display in screen
- Three indicator lights for displaying device status clearly
- Excellent production, novel appearance, delicate and compact, simple and convenient installation

## System Overview

Standalone Carbon Monoxide Alarm is designed to continuously monitor Carbon Monoxide concentration. Adopting advanced electrical technology, a built-in high-volume buzzer, it responds quickly and becomes highly sensitive with stable performance and low false alarm. Once the surrounding Carbon Monoxide concentration reaches the alarm value, it will promptly send out an audible and visual alarm signal to remind the user to take immediate measures.

## Scene

Application scenarios include homes, restaurants, hotels and other places that require Carbon Monoxide detection.

## Technical Specification

### Working Principle

| | |
|---|---|
| Collection Type | Carbon Monoxide (CO) |
| Sensor Type | Electrochemical |

### Alarm

| | |
|---|---|
| Alarm Type | CO alarm, fault alarm, low battery warning |
| Alarm Volume | Over 85dB (A) at 3 m (9.84 ft) |
| Alarm Mode | Visual and audible alarm |
| Silence Function | Support |
| Silence Duration | About 45 seconds |
| Alarm Response Threshold | 50 ppm: 60 min–90 min<br>100 ppm: 10 min–40 min<br>300 ppm: < 3 min |

### Basic Parameters

| | |
|---|---|
| Display | LCD |
| Indicator Light | LED (red/yellow/green) |
| LED Instruction | Alarm: Red indicator<br>Fault: Yellow indicator<br>Power: Green indicator |

### Power Supply

| | |
|---|---|
| Battery Life | 10 years |
| Power Source | 3V CR123A lithium battery (replaceable) |
| Operating Current | Monitoring Current: ≤20uA<br>Alarm Current: ≤50mA |

### Operating Ambient

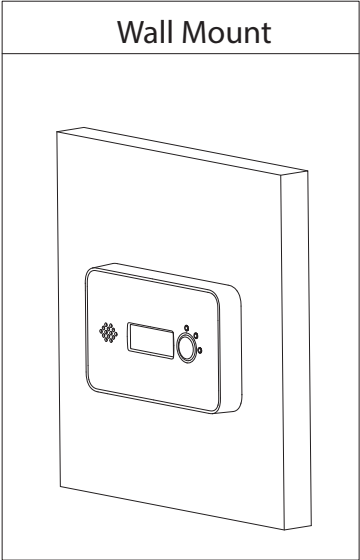| | |
|---|---|
| Operating Environment | Indoor use only |
| Operating Temperature | −10°C to +40°C (+14°F to +104°F) |
| Operating Humidity | ≤95% RH (non condensing) |

### Appearance

| | |
|---|---|
| Color | White |
| Material | PC + ABS |
| Dimensions | 116.4 mm × 71.7 mm × 28.3 mm (4.58" × 2.82" × 1.11") |
| Weight | 127 g |
| Installation | Wall Mount |

### Certification

| | |
|---|---|
| Certifications | TÜV and CE listed |
| Compliance Standard | EN 50291-1:2018 |

## Installation

**Wall Mount**



## Dimensions (mm/inch)



116.4[4.58]

71.7[2.82]

29.1[1.15]

Alarm
Fault
Power

TEST/SILENCE

28.3[1.11]
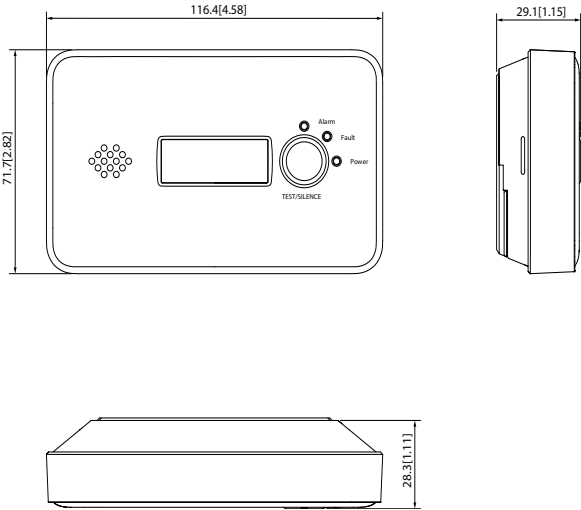
## Ordering Information

| Type | Part Number | Description |
|---|---|---|
| Carbon Monoxide Alarm | DHI-HY-GC20C | Standalone Carbon Monoxide Alarm |