

## MP112 Disposable Single Gas Detectors






The UNI Lite MP112 is a disposable or maintenance-free version of carbon monoxide (CO) and hydrogen sulfide (H<sub>2</sub>S) single gas detectors with up to 2 years continual operation. The MP112 displays operating time remaining while the MP112RT version displays real-time concentrations. The detectors have large LCDs providing maximum readability in the field and are made with six bright red LEDs allowing for quick alarm notification. Constructed of strong and durable material, the UNI Lite is designed to be comfortable yet drop-resistant. The UNI Lite can easily be bump tested and calibrated either manually or using the 4-Bay CaliCase docking station.

### Features, Functions and Benefits

- Simple one-button GO, NO-GO!
- Large LCD
- Real-time concentrations (MP112RT) or time remaining (MP112)
- 4-size CO and H<sub>2</sub>S sensors
- 50 events logging
- IP rating: IP-67
- Low & High alarms
- Six bright red flashing LEDs
- 2/3 AA Lithium battery
- No maintenance or part replacement

## Detector Specifications

<b>Size</b>	3.4 x 2.2 x 1.1 in (87 x 55 x 28 mm)
<b>Weight</b>	3.4 oz. (95 g)
<b>Sensors</b>	4-size electrochemical sensors: CO and H <sub>2</sub> S
<b>Response Time</b>	15s t <sub>90</sub>
<b>Display</b>	MP112: Operating time remaining MP112RT: Real-time concentrations
<b>Temperature</b>	-4° to +122°F (-20° to +50°C)
<b>Humidity</b>	5% to 95% Relative Humidity (non-condensing)
<b>Pressure</b>	86 to 106 kPa (0.85 to 1.05 atm)
<b>Alarm Type</b>	<ul style="list-style-type: none"> <li>• High &amp; Low alarms</li> <li>• Over range alarm</li> <li>• Low battery alarm</li> </ul>
<b>Alarm Signal</b>	<ul style="list-style-type: none"> <li>• 95 dB @ 30 cm</li> <li>• Bright red LEDs</li> <li>• Built in vibrator</li> </ul>
<b>Calibration</b>	2-point calibration: zero and span on docking station
<b>IP Rating</b>	IP-67
<b>EMI/RFI</b>	Compliant with EMC Directive 2014/30/EU
<b>Safety Certifications</b>	 Class I, Div 1, Group ABCD T4, -20°C ≤ T <sub>amb</sub> ≤ +50°C <b>IECEX</b> Ex ia IIC T4 Ga <b>ATEX</b>   II 1G Ex ia IIC T4 Ga <b>CNEX</b> Ex ia IIC T4
<b>Battery</b>	2/3 AA Lithium battery replaceable
<b>Docking Station for Cal &amp; Bump</b>	Check Availability
<b>Operating Life</b>	Up to 2 Years

## Sensor Options

Sensor	Range	Resolution
<b>CO (Carbon Monoxide)</b>	0-1000 ppm	1 ppm
<b>H<sub>2</sub>S (Hydrogen Sulfide)</b>	0-100 ppm	0.1 ppm

## Standard

- UNI Lite MP112 or MP112RT detector with CO or H<sub>2</sub>S sensor, battery and stainless-steel clip installed
- Calibration adaptor
- Quick start guide
- Calibration certificate

## Optional

- 4-Bay docking station for UNI Lite

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\* Due to ongoing research and product improvement, specifications are subject to change without notice \*