

DISPOSABLE SINGLE GAS DETECTORS



UNI Lite



PROFESSIONAL GAS DETECTION & ALARM SYSTEMS

The UNI Lite MP112 is a disposable or maintenance-free version of carbon monoxide (CO) and hydrogen sulfide (H₂S) single gas detectors with up to 2 years continual operation.

Features, Functions and Benefits

Simple one-button GO, NO-GO!

Large LCD, 30% larger than most

Displays operating life remaining or real-time concentrations

4-size CO and H₂S sensors

50 events logging

IP rating: IP-67

Low & High alarms

Six bright red flashing LEDs

2/3 AA Lithium battery

4-Bay docking station option

No maintenance or part replacement
(except under extreme use conditions)



CaliCase Docking Station
MP311 for UNI Lite

UNI Lite MP112 Disposable Single Gas Detectors

The display can be configured to show either operating lifetime remaining or 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 using the MP311 4-Bay CaliCase docking station.



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V 1.11



Sensor Specifications

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

Standard

- UNI Lite MP112 detector with CO or H₂S sensor, battery, and stainless-steel clip installed
- Calibration adaptor
- Quick start guide
- Calibration certificate

Optional

- 4-Bay docking station MP311 for UNI Lite

Detector Specifications

Size	3.4 x 2.2 x 1.1 in (87 x 55 x 28 mm)
Weight	3.4 oz. (95 g)
Sensors	4-size electrochemical sensors: CO and H ₂ S
Response Time	t90 ≤ 15s
Display	Default: Operating lifetime remaining Configurable: Real-time concentrations
Temperature	-4° to +122°F (-20° to +50°C)
Humidity	5% to 95% Relative Humidity (non-condensing)
Pressure	86 to 106 kPa (0.85 to 1.05 atm)
Alarm Type	• High & Low alarms • Over range alarm • Low battery alarm
Alarm Signal	• 95 dB @ 30 cm • Bright red LEDs • Built in vibrator

Calibration	2-Point calibration: Manual zero in run-time mode Manual zero & span in concentration mode Zero & span on docking station in either mode	
IP Rating	IP-67	
EMI/RFI	Compliant with EMC Directive 2014/30/EU	
Safety Certifications		Class I, Div 1, Group ABCD T4, -20°C ≤ Tamb ≤ +50°C
	IECEX	Ex ia IIC T4 Ga
	ATEX	  II 1G Ex ia IIC T4 Ga
	CNEX	Ex ia IIC T4
Battery	2/3 AA Lithium battery replaceable	
Docking Station	4-Bay docking station MP311 for calibration, bump test, firmware configuration and data download	
Operating Life	Typical operating life 2 years @ 2 min/day average alarm time	

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