

# MAINTENANCE-FREE SINGLE GAS DETECTORS



## UNI 321



## PROFESSIONAL GAS DETECTION & ALARM SYSTEMS

The UNI 321 is a disposable, maintenance-free version of the UNI single gas monitor.

### Features, Functions and Benefits

**Simple GO, NO-GO!**

**No Maintenance needed for life of instrument**  
(except when used under extreme conditions)

**Low cost of ownership**

**Large Display shows remaining operating time**  
(MP102 & MP103)  
or concentration display (MP102RT)

**Durable Housing**

**Solid stainless-steel Alligator Clip**

**50% larger single-cell Battery**

**Daily functional Self-Test**

**50 Event Datalogging**

**Docking Stations for calibration and event download**

**UL Classification Class 123, Groups ABCDEFG**

## Maintenance-Free CO, H<sub>2</sub>S and O<sub>2</sub> Detectors

It detects H<sub>2</sub>S, CO or O<sub>2</sub> in a selection of models with continuous operating lives of 24 months (MP102) or 36 months (MP103). MP102RT runs 2 years but has a hibernation feature that allows up to 3 years operation. The detectors have a large LCD providing maximum readability in the field. MP102 and MP103 display remaining battery run time, while MP102RT displays real-time concentrations. Six bright red LEDs allow for quick alarm notification. Constructed of strong and durable material, the UNI 321 is designed to be comfortable, yet drop-resistant. The UNI detectors can easily be bump tested and calibrated with Single Docking Box or CaliCase System.



CaliCase Docking Station



UNI Docking Box



### CONTACT US

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## Model Options

Gas	Range	Model	Display	P/N
CO (Carbon Monoxide)	1 – 500 ppm	MP103	Time left	M016-0001-000
		MP102	Time left	M015-0001-000
		MP102RT	Conc.	M015-0001-R00
H <sub>2</sub> S (Hydrogen Sulfide)	0.1 – 100 ppm	MP103	Time left	M016-0002-000
		MP102	Time left	M015-0002-000
		MP102RT	Conc.	M015-0002-R00
O <sub>2</sub> (Oxygen)	0.1 – 30%	MP102	Time left	M015-0002-000



## Detector Specifications

Size	3.46 x 2.44 x 1.3 in (88 x 62 x 33 mm)	Temperature	-4°F to 122°F (-20°C to 50°C)
Weight	4.4 oz (125 g)	Humidity	5 to 95% relative humidity (non-condensing)
Response Time (t90)	15 seconds	IP Rating	IP-67
Display	<ul style="list-style-type: none"> <li>• MP102 &amp; MP102: remaining operating time or alarm condition</li> <li>• MP102RT: real-time concentration and alarm condition</li> </ul>	EMI/RFI	EMC directive: 2014/30/EU
Alarm type	<ul style="list-style-type: none"> <li>• High &amp; Low alarms</li> <li>• Over range alarm</li> <li>• Low battery alarm</li> </ul>	Safety Certifications	Class I, Div 1, Group ABCD Class II, Div 1, Group EFG Class III, Div 1 T4, -20°C ≤ Tamb ≤ +50°C cUL <sup>us</sup>
Alarm Signal	95 dB @ 30 cm <ul style="list-style-type: none"> <li>• Bright red LEDs</li> <li>• Built in vibrator</li> </ul>	IECEX	Ex ia IIC T4 Ga
Calibration	Manual zero (UNI Docking Box or CaliCase/MP300T1 allow 2-point calibration, zero and span)	ATEX	CE Ex II 1G
Event Log	Up to 50 alarm events (Requires separate IR reader or docking station to download)		Ex ia IIC T4 Ga
		Operating life	<ul style="list-style-type: none"> <li>• 2 years for MP102*</li> <li>• 3 years for MP103*</li> <li>• 2 years for MP102RT plus up to 1 more year with hibernation mode*</li> </ul> *with up to 5 min/day average alarm time

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