

# **UNI 321**

2- or 3-Year Maintenance-Free CO, H<sub>2</sub>S and O<sub>2</sub> Detectors



The UNI 321 is a disposable, maintenance-free version of the UNI single gas monitor. It detects H2S, CO or O2 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.

## **KEY FEATURES**

- · Simple GO, NO-GO!
- · No Maintenance needed for life of instrument (except when used under extreme conditions)
- · Low cost of ownership
- UNI Docking Box
- 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

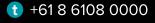
## **RANGE OF GASES DETECTED**

| 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-RT0 |
|                                     | 0.1 – 100 ppm | MP103   | Time left | M016-0002-000 |
| H <sub>2</sub> S (Hydrogen Sulfide) |               | MP102   | Time left | M015-0002-000 |
|                                     |               | MP102RT | Conc.     | M015-0002-RT0 |
| O <sub>2</sub> (Oxygen)             | 0.1 – 30%     | MP102   | Time left | M015-0003-000 |

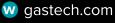
## UNI 321

| SPECIFICATIONS        | Specifications subject to change without notice  |  |  |
|-----------------------|--|--|--|
| Size                  | 3.46 x 2.44 x 1.3 in (8.8 x 6.2 x 3.3 cm)  |  |  |
| Weight                | 4.4 oz (125 g)   |  |  |
| Response time (t90)   | 15 seconds   |  |  |
| Display               | <ul><li>MP102 &amp; MP102: remaining operating time or alarm condition</li><li>MP102RT: real-time concentration and alarm condition</li></ul>            |  |  |
| Alarm type            | <ul><li>High &amp; Low alarms</li><li>Over range alarm</li><li>Low battery alarm</li></ul>   |  |  |
| Alarm signal          | <ul><li>95 dB @ 30 cm</li><li>Bright red LEDs</li><li>Built in vibrator</li></ul>  |  |  |
| Calibration           | Manual zero (UNI Docking Box or CaliCase/MP300T1 allow 2-point calibration, zero and span)   |  |  |
| Event log             | Up to 50 alarm events (Requires separate IR reader or docking station to download)   |  |  |
| Temperature           | -4°F to 122°F (-20°C to 50°C)  |  |  |
| Humidity              | 5 to 95% relative humidity (non-condensing)  |  |  |
| IP rating             | IP-67  |  |  |
| EMI/RFI               | EMC directive: 2014/30/EU  |  |  |
| Safety Certifications | Class I, Div 1, Group ABCD  Class II, Div 1, Group EFG  Class III, Div 1  T4, $-20^{\circ}$ C $\leq$ Tamb $\leq$ +50 $^{\circ}$ C  IECEX Ex ia IIC T4 Ga |  |  |
|                       | ATEX II 1G   |  |  |
|                       | Ex ia IIC T4 Ga  |  |  |
| Operating life        | <ul> <li>2 years for MP102</li> <li>3 years for MP103</li> <li>2 years for MP102RT plus up to 1<br/>more year if hibernation is used</li> </ul>          |  |  |









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