

# 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 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.

## 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 |
| 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-RT0 |
| O <sub>2</sub> (Oxygen)             | 0.1 – 30%     | MP102   | Time left | M015-0003-000 |

## UNI 321

|                              |   |
|------------------------------|---|
| <b>SPECIFICATIONS</b>        | Specifications subject to change without notice   |
| <b>Size</b>                  | 3.46 x 2.44 x 1.3 in (8.8 x 6.2 x 3.3 cm)   |
| <b>Weight</b>                | 4.4 oz (125 g)  |
| <b>Response time (t90)</b>   | 15 seconds  |
| <b>Display</b>               | <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>                    |
| <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>           | Manual zero (UNI Docking Box or CaliCase/MP300T1 allow 2-point calibration, zero and span)  |
| <b>Event log</b>             | Up to 50 alarm events (Requires separate IR reader or docking station to download)  |
| <b>Temperature</b>           | -4°F to 122°F (-20°C to 50°C)   |
| <b>Humidity</b>              | 5 to 95% relative humidity (non-condensing)   |
| <b>IP rating</b>             | IP-67   |
| <b>EMI/RFI</b>               | EMC directive: 2014/30/EU   |
| <b>Safety Certifications</b> | <p>Class I, Div 1, Group ABCD<br/> Class II, Div 1, Group EFG<br/> Class III, Div 1<br/> T4, -20°C ≤ Tamb ≤ +50°C</p> <hr/> <p>IECEX Ex ia IIC T4 Ga</p> <hr/> <p>ATEX II 1G<br/> Ex ia IIC T4 Ga</p> |
| <b>Operating life</b>        | <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 if hibernation is used</li> </ul>                       |



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