

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



The UNI 321 is a disposable or maintenance-free version of UNI single gas detector. It detects hydrogen sulfide (H<sub>2</sub>S) or carbon monoxide (CO) in a selection of models with operating lives of 24 months (MP102) or 36 months (MP103). The detectors have large LCDs providing maximum readability in the field. 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 using the CaliCase System or Docking Box accessories.

### Features, Functions and Benefits

- Real-time Readings with Hibernation up to 1 year
- Automatic Internal Self-test every 24hr
- No Maintenance needed for life of instrument (except when used under extreme conditions)
- Low cost of ownership
- Large Display
- Durable Housing
- Solid stainless-steel Alligator Clip
- 50% larger single-cell Battery
- 50 Event Datalogging
- Docking Station for calibration and bump testing
- Event download via USB link through docking station to mPower Suite Software
- ATEX and UL Classification Class-I II III, Group ABCDEFG certifications





**CaliCase Docking Station**



**UNI Docking Box**

# UNI 321RT Specifications

## Detector Specifications

<b>Size</b>	3.46 x 2.44 x 1.3 in
<b>Weight</b>	4.4 oz (125 g)
<b>Temperature</b>	-4°F to 122°F (-20°C to 50°C)
<b>Humidity</b>	5 to 95% relative humidity (non-condensing)
<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>Alarms Setup</b>	User programmable by push buttons on instrument or docking station via USB link to mPower Suite Software
<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 (Cali Case/Docking Box allows 2-point calibration, zero and span)
<b>Event log</b>	Up to 50 alarm events
<b>Response time (t90)</b>	15 seconds
<b>Backlight</b>	Push button on demand backlight, on when in full alarm
<b>Hibernation</b>	MP102 up to 1-year hibernation MP103 hibernation not offered
<b>Battery</b>	3.6 V, 2700 mA AH Lithium AA EVE14505, replaceable
<b>IP rating</b>	IP-67
<b>Accessories</b>	Calibration Cap and tubing
<b>EMI/RFI</b>	EMC directive: 2014/30/EU
<b>Safety Certifications</b>	<p> Class I, Div 1, Group ABCD Class II, Div 1, Group EFG Class III, Div 1 T4, -20°C ≤ T<sub>amb</sub> ≤ +50°C</p> <p><b>IECEX</b> Ex ia IIC T4</p> <p><b>ATEX</b>  II 1G Ex ia IIC T4</p> <p><b>CE</b> European Conformity</p>
<b>Operating life Warranty (Run Time)</b>	<ul style="list-style-type: none"> <li>• 2 years for MP102 – Hibernate</li> <li>• 3 years for MP103</li> </ul>

## Model Options

Gas	Range	Model	P/N
<b>H<sub>2</sub>S (Hydrogen Sulfide)</b>	0.1 – 100 ppm	MP102	M015-0002-R00
		MP103	M016-0002-R00
<b>CO (Carbon Monoxide)</b>	1 – 500 ppm	MP102	M015-0001-R00
		MP103	M016-0001-R00

**Distributed By:**

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