

3-, 2-, and 1-Year Maintenance-Free Single Gas Detectors



The UNI 321 is a disposable or maintenance-free version of UNI single gas detector. It detects hydrogen sulfide (H₂S), carbon monoxide (CO) or oxygen (O₂) in a selection of models with operating lives of 12 months (MP101), 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.

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
- Durable Housing
- Solid stainless-steel Alligator Clip
- 50% larger single-cell Battery
- Daily functional Self-Test
- 50 Event Datalogging
- Docking Station for calibration and event download
- UL Classification Class 123, Groups ABCDEFG





UNI Docking Box



CaliCase Docking Station

Detector Specifications

Size	3.46 x 2.44 x 1.3 in
Weight	4.4 oz (125 g)
Temperature	-4°F to 122°F (-20°C to 50°C)
Humidity	5 to 95% relative humidity (non-condensing)
Alarm type	<ul style="list-style-type: none"> • High & Low alarms • Over range alarm • Low battery alarm
Alarm signal	<ul style="list-style-type: none"> • 95 dB @ 30 cm • Bright red LEDs • Built in vibrator
Calibration	Manual zero (CaliCase/MP300T1 allows 2-point calibration, zero and span)
Event log	Up to 50 alarm events
Response time (t90)	15 seconds
IP rating	IP-67
EMI/RFI	EMC directive: 2014/30/EU
Safety Certifications	<p>  Class I, Div 1, Group ABCD Class II, Div 1, Group EFG Class III, Div 1 T4, -20°C ≤ T_{amb} ≤ +50°C </p> <p> IECEX Ex ia IIC T4 Ga </p> <p> ATEX  II 1G Ex ia IIC T4 Ga </p>
Operating life	<ul style="list-style-type: none"> • 1 year for MP101 • 2 years for MP102 • 3 years for MP103

Model Options

Gas	Range	Model	P/N
H₂S (Hydrogen Sulfide)	0.1 – 100 ppm	MP101	M014-0002-000
		MP102	M015-0002-000
		MP103	M016-0002-000
CO (Carbon Monoxide)	1 – 500 ppm	MP101	M014-0001-000
		MP102	M015-0001-000
		MP103	M016-0001-000
O₂ (Oxygen)	0.1 – 30.0%	MP101	M014-0003-000
		MP102	M015-0003-000
		MP103	M016-0003-000

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