

UNI Single Gas Detectors

The UNI Series offers a simple portable solution for a wide array of toxic gas and O₂ applications. The UNI Series provides up to three years maintenance-free operation and run time. Just turn on the device, and it runs continuously with no need for sensor replacement, battery replacement or battery charging during that time. Daily bump testing should be conducted to ensure the monitor is reliably reading gas and the alarms operate properly. That means great reliability and no downtime.

The UNI detectors are compact, lightweight and easy to handle, while tough enough for harsh environments and extreme temperatures:

- MP101 - All gas types (see reverse for list)
- MP102 - CO, H₂S, O₂ and SO₂
- MP103 - Only CO and H₂S
- The UNI Series can easily be bump tested and calibrated with the mPower CaliCase System.



Features

- UL/cUL:
Class I, Div 1, Group A, B, C, D; Class II, Div 1, Group E, F, G; Class III, Div 1
- Temperature rating T4, -20° C ≤ Tamb ≤ +50° C
- Event logger
- IP rating: IP-67
- Six bright red flashing LEDs
- 17 sensor options - 24 models available

Use mPower unique advanced technology for safety, compliance and productivity

- **Sensor:** Unique dual reservoir sensor design dramatically improves instrument performance, response time and longevity, compared to traditional electrochemical sensors and consistently delivers reliable instrument performance under the harshest environmental conditions.
- **Reflex technology:** Advanced automated self-test function routinely checks the operating condition of the sensor to increase safety, up-time and overall worker confidence.
- **Alarm setting:** Configuration of high or low alarm set point before the device is activated and enable the noncompliance indicator which flashes red when a bump test is due, or a gas event occurs.

UNI Series Specifications



Detector Specifications	
Size	3.46 x 2.44 x 1.3 in (88 x 62 x 33 mm)
Weight	4.4 oz (125 g)
Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Humidity	5 - 95% relative humidity (non-condensing)
Alarm type	High alarm, low alarm, STEL alarm, TWA alarm, adjustable. Over range alarm, battery low alarm
Alarm signal	90dB @ 30 cm Bright red LED Built-in vibrator
Event log	Up to 10 alarm events
Response time (t90)	20 seconds (CO/H2S/O2)
IP rating	IP-67
EMI / RFI	Compliant with EMC 2004/108/EC
Safety certifications	UL/cUL: Class I, Div I, Group A, B, C, D Class II, Div I, Group E, F, G Class III, Div I T4, -20°C ≤ Tamb ≤ +50°C

Sensor Specifications		
GAS	Measuring Range / Resolution (ppm)	Alarm setting Low / High (ppm)
CO	500/1	35/200
	1000/1	35/200
	2000/1	35/200
H2S	50.0/0.1	10/20
	100.0/0.1	10/20
	200.0/0.1	10/20
	1000/1	10/20
O2	25.0/0.1%	19.5/23.5 Vol
	30/0.1%	19.5/23.5 Vol
NH3	50/1	25/50
Cl2	10.0/0.01	0.5/5.0
ClO2	1.00/0.01	0.20/0.50
HCN	100/1	4.7/50
NO	250/1	25/50
NO2	20.0/0.1	1.0/10.0
PH3	5.00/0.01	1.00/2.00
	20.00/0.01	1.00/2.00
SO2	20.0/0.1	2.0/10.0
ETO	100.0/0.1	1.0/5.0
	200.0/0.1	1.0/5.0
O3	1.00/0.02	0.10/0.20
HF	10.0/0.1	2.0/6.0
HCl	15.0/0.1	2.0/5.0
CH3SH	10.0/0.1	0.5/5.0
C2H4O	20.0/0.1	2.0/10.0



U.S.A. Corporate Office:
Uniphos Envirotronic Inc.
 19901 Southwest Freeway
 Sugar Land, TX 77479
 Tel: +1 832.956.0800
www.uniphosamericas.com
orders.usa@uniphos-envirotronic.com



9001- IND17.5449U/Q 14001- IND17.5519U/E

Manufactured in Vapi, India by
 Uniphos Envirotronic Pvt. Ltd.

Distributed by:

