

# UNI

## Single Gas Detectors



**NEW**

- ✓ IP67 WATER RESISTANT
- ✓ \*EVENT LOGGER
- ✓ PASSWORD PROTECTION
- ✓ OVER 17+ SENSOR OPTIONS
- ✓ LCD 30% LARGER THAN MARKET
- ✓ CALI-CASE SYSTEM

The UNI MP100 offers a simple portable solution for a wide array of toxic gas and O<sub>2</sub> applications. The monitors have a large LCD providing maximum readability in the field. These monitors are made with six bright red LEDs allowing for quick alarm notification. Constructed of strong and durable material, the UNI is designed to be comfortable yet drop resistant. The UNI series can easily be bump tested and calibrated with the mPower CaliCase System.

### Features

- Size: 3.46 x 2.44 x 1.3 in (88 x 62 x 33 mm) Weight: 4.4 oz (125 g)
- 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
- Large LCD, 30% larger than most
- Password protection
- Low, High, TWA & STEL alarms
- Six bright red flashing LEDs
- 17 sensor options - 24 models available
- 3-year typical operation



**Cali-Case**

# UNI Specifications

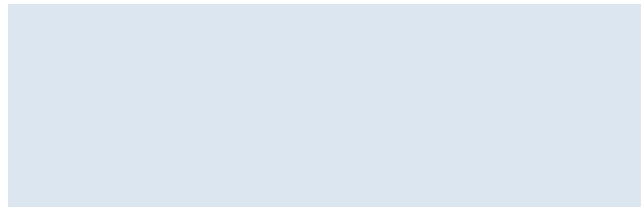
## Detector Specifications

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Size                  | 3.46 x 2.44 x 1.3 in<br>(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,<br>TWA alarm, adjustable.<br>Over range alarm, Battery low alarm.                             |
| Alarm signal          | 90dB @ 30cm<br>Bright red LED.<br>Built in vibrator.                                                                             |
| Calibration           | 2 point calibration, zero and span,<br>power on zero (need user confirm).                                                        |
| *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:<br>Class I, Div 1, Group A, B, C, D<br>Class II, Div 1, Group E, F, G<br>Class III, Div 1<br>T4, -20° C ≤ Tamb ≤ + 50° C |
| Battery               | Replaceable AA size Lithium battery,<br>3 years typical operation                                                                |
| Sensor life           | CO/H2S expected operating life 5 years<br>or longer, others 2 years or longer                                                    |
| Warranty              | 2 or 1 year                                                                                                                      |

## Sensor Specifications

| Gas   | Measuring Range<br>/Resolution (ppm) | Detector<br>P/N |
|-------|--------------------------------------|-----------------|
| CO    | 500/1                                | 13.02.09.0003   |
|       | 1000/1                               | 13.02.09.0013   |
|       | 2000/1                               | 13.02.09.0014   |
| H2S   | 50.0/0.1                             | 13.02.09.0005   |
|       | 100.0/0.1                            | 13.02.09.0015   |
|       | 200.0/0.1                            | 13.02.09.0016   |
|       | 1000/1                               | 13.02.09.0017   |
| O2    | 25.0/0.1%                            | 13.02.09.0032   |
|       | 30/0.1%                              | 13.02.09.0001   |
| NH3   | 50/1                                 | 13.02.09.0024   |
| Cl2   | 10.0/0.1                             | 13.02.09.0007   |
| ClO2  | 1.00/0.01                            | 13.02.09.0025   |
| HCN   | 100/1                                | 13.02.09.0026   |
| NO    | 250/1                                | 13.02.09.0019   |
| NO2   | 20.0/0.1                             | 13.02.09.0020   |
| PH3   | 20.0/0.01                            | 13.02.09.0021   |
| SO2   | 20.0/0.1                             | 13.02.09.0018   |
|       | 100.0/0.1                            | 13.02.09.0022   |
| ETO   | 200.0/0.1                            | 13.02.09.0023   |
|       | 1.00/0.02                            | 13.02.09.0027   |
| O3    | 10.0/0.1                             | 13.02.09.0028   |
| HF    | 15.0/0.1                             | 13.02.09.0029   |
| HCl   | 10.0/0.1                             | 13.02.09.0030   |
| CH3SH | 20.0/0.1                             | 13.02.09.0031   |

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