

SINGLE GAS DETECTORS



UNI



PROFESSIONAL GAS DETECTION & ALARM SYSTEMS

The UNI MP100 offers a simple, personal protection for a wide array of toxic gas and oxygen (O₂) measurement applications.

Features, Functions and Benefits

50% larger (AA versus 2/3 AA) Lithium Battery

Widest choice of sensors on the market

Large display

50 Event datalogging

Low cost of ownership

Solid stainless-steel alligator clip

Durable housing

Fast bump, calibration or download using single Docking Box or CaliCase 4-Bay Docking Station

UL Classification Class I, II, III, Groups ABCDEFG

UNI MP100 Single Gas Detectors

In addition to common sensors such as carbon monoxide (CO), hydrogen sulfide (H₂S), nitrogen dioxide (NO₂), ammonia (NH₃) and sulfur dioxide (SO₂), we offer less-common sensors including chlorine (Cl₂), chlorine dioxide (ClO₂), hydrogen chloride (HCl), hydrogen fluoride (HF), phosphine (PH₃), ozone (O₃), methyl mercaptan and ethylene oxide (ETO). Special oxygen monitors are available with long-life lead-free sensors or with inverted alarms for inert gas applications. The monitors have a large LCD providing maximum readability in the field and 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 UNI Docking Box or CaliCase Station.



CaliCase Docking Station



UNI Docking Box



CONTACT US

info@mpowerinc.com

866.mPower7 (866.676.9377) | Toll-free (North America)

408.320.1266 | International



2910 Scott Blvd., Santa Clara, CA 95054

Sensor Specifications



Gas	Range/ Resolution (ppm)	Detector P/N
CO (Carbon Monoxide)	1000/1	M001-0023-000
CO Low H ₂ Sensitivity	1000/1	M001-0097-000
H ₂ S (Hydrogen Sulfide)	100.0/0.1	M001-0054-000
	200.0/0.1	M001-0057-000
	1000/1	M001-0060-000
O ₂ (Oxygen)	25/0.1%	M001-0032-000
O ₂ (Oxygen) Lead-Free	30/0.1%	M001-0095-000
O ₂ Inert Alarms	25/0.1%	M001-0093-000
NH ₃ (Ammonia)	100/1	M001-0006-000
	500/1	M001-0090-000
Cl ₂ (Chlorine)	50.0/0.1	M001-0004-000
ClO ₂ (Chlorine Dioxide)	1.00/0.01	M001-0072-000
H ₂ (Hydrogen)	2000/1	M001-0019-000
HCl (Hydrogen Chloride)	15.0/0.1	M001-0008-000
HF (Hydrogen Fluoride)	20.0/0.1	M001-0014-000
HCN (Hydrogen Cyanide)	100/0.1	M001-0005-000
NO (Nitric Oxide)	250/1	M001-0015-000
NO ₂ (Nitrogen Dioxide)	20.0/0.1	M001-0011-000
O ₃ (Ozone)	5.00/0.01	M001-0009-000
PH ₃ (Phosphine)	20.00/0.01	M001-0016-000
SO ₂ (Sulfur Dioxide)	20.0/0.1	M001-0007-000
	100.0/0.1	M001-0091-000
ETO (Ethylene Oxide)	200.0/0.1	M001-0069-000
CH ₃ SH (Methyl Mercaptan)	10.0/0.1	M001-0077-000
THT (Tetrahydrothiophene)	40.0/0.1	M001-0085-000

Detector Specifications

Size	3.46 x 2.44 x 1.3 in (88 x 62 x 33 mm)	Calibration	2-point calibration, zero and span, power on zero (user-selectable)
Weight	4.4 oz (125 g)	Docking Stations for Cal & Bump	UNI Single Docking Box CaliCase 4-Bay Docking Station (Used in non-hazardous locations)
Sensors	Electrochemical	Event Log	Up to 50 alarm events
Response Time (t90)	15 seconds (CO/H ₂ S/O ₂) Others vary, see individual sensor specifications in TA Note 4	IP Rating	IP-67
Battery	Replaceable AA size Lithium battery, up to 3 years operation without frequent alarms	EMI/RFI	EMC directive: 2014/30/EU
Temperature	-4°F to 122°F (-20°C to 50°C) with up to 2 hr at 60°C for H ₂ S models	Safety Certifications	Class I, Div 1, Group ABCD Class II, Div 1, Group EFG Class III, Div 1 T4, -20°C ≤ Tamb ≤ +50°C
Humidity	5 to 95% relative humidity (non-condensing)		IECEX Ex ia IIC T4 Ga ATEX   II 1G Ex ia IIC T4 Ga
Alarm Type	<ul style="list-style-type: none"> High, Low, STEL & TWA alarms adjustable Over-range alarm Low battery alarm 	Sensor Life	CO & H ₂ S expected operating life 5 years, others 1 to 2 years as per warranty
Alarm Signal	<ul style="list-style-type: none"> 95 dB @ 30 cm Bright red LEDs Built in vibrator 	Warranty	2 years on O ₂ , CO, H ₂ S, SO ₂ , HCN, NO, NO ₂ , and PH ₃ units including sensor; 1 year on others

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