

UNI

Personal Gas Monitor

MP100 series



- UL&CUL Intrinsic Safety
- Cover all HAZ. LOC. Class I,ABCD; Class II, EFG; Class III, T4
- Super large LCD easy to read digits
- High strength shell material drop resistance & comfort feeling
- Battery life 50% longer than conventional products
- Locate easily in the dark using the unique fluorescent color ring
- Full range alarm by 6 bright red flashing LEDs
- Smart sensors supporting offline calibration
- Wide range of toxic sensor options
- Multiple gas display units configurable
- Two-point field calibration
- Span gas value configurable

MP100 is a single sensor, portable, personal toxic gas monitor. It displays gas concentration continuously on a big segment LCD. It also monitors STEL, TWA, peak and min (for O₂ only) value of the gas, and can be displayed on demand.

High, Low, STEL, TWA alarm threshold values are configurable. The shell is made of high strength, durable material. Two key operation, simple to use. Sensor and battery can be replaced easily. Calibration is also very convenient.

APPLICATIONS

- Emergency response
- Environmental
- Fire service
- Industrial safety
- Oil and gas

KIT PACKAGE

- MP100 instrument with sensor, AA size lithium battery and alligator clip
- One mini-CD with instruction manual
- Calibration adapter

Calibration Kits (Optional) :

- Test gas (for sensor as specified)
- Gas regulator with flow controller
- Hard transport case

SPECIFICATION

Detector Specifications

Size	3.46 x 2.44 x 1.3 in. (88 x 62 x 33mm)
Weight	4.4 oz (125g)
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	Audible: 90dB @ 30cm Visual: Bright red LED. Sense: Built in vibrator.
Calibration	2 point calibration, zero and span, power on zero (need user confirm).
Event log	Up to 10 alarm events
Response time(T90)	20 seconds(only for CO/H2S/O2)
IP rating	IP67
EMI/RFI	Compliant with EMC 2004/108/EC
Certifications	UL/cUL: Class I, Group A, B, C, D Class II, Group E,F,G Class III T4, -20° C ≤ Tamb ≤ +50° C
Battery	Replaceable AA size Lithium battery, 3 years if used within specs
Sensor	CO/H2S expected operating life 5 years in air, others 2 years
Warranty	CO/H2S 2 years if used within specs, others 1 year

Sensor Specifications

Gas	Measuring Range /Resolution (ppm)	Instrument 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	5.00/0.01	13.02.09.0021
SO2	20.0/0.1	13.02.09.0018
ETO	100.0/0.1	13.02.09.0022
	200.0/0.1	13.02.09.0023
O3	1.00/0.02	13.02.09.0027
HF	10.0/0.1	13.02.09.0028
HCl	15.0/0.1	13.02.09.0029
CH3SH	10.0/0.1	13.02.09.0030
C2H4O	20.0/0.1	13.02.09.0031

