

Micro IV

Full Featured Personal Monitor



Micro IV Single-gas Detector

- Highly configurable **smart sensor** design
- Wide range of sensors including O₂, H₂S, CO, NH₃, SO₂, CL₂, CLO₂, PH₃, NO₂, HCN, HCl, ETO, HF, O₃, NO, H₂ **and more!**
- Full **3-year** warranty on O₂, CO and H₂S sensors
- Optional sample draw pump

- Large display with real-time readout
- **Event / Datalogging** standard
- Programmable ceiling (3), STEL & TWA alarms
- **Vibrating Alarm** standard
- **AutoCal**[®] automatic calibration
- Optional docking station

GfG Instrumentation

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Micro IV Single-gas detector

Durable, compact design

The **Micro IV** is compact, robust and very easy to use. It is designed to be used in the harshest environments. The **Micro IV** includes a set of rubber boots to withstand hard knocks and drops.

Widest Range of sensors

Micro IV detectors are available for use with a wide range of long-lasting, interchangeable smart-sensors for the detection of O₂, H₂S, CO, NH₃, SO₂, Cl₂, ClO₂, PH₃, NO₂, HCN, HCl, ETO, HF, O₃, NO, H₂ and more.

Easy Operation

The **Micro IV** keeps gas detection simple. Most day-to-day functions are controlled with a single button, and calibration is fully automatic. Simply select the calibration mode from the keypad, attach the adapter and flow gas to the sensor. The GfG Autocal[®] feature automatically makes the adjustments and updates the information in the instrument's on-board memory.

Up to six months of battery life

The **Micro IV** delivers up to 3,000 hours of continuous operation from a single off the shelf AA alkaline battery. Battery replacement, when needed, can be completed in less than 30 seconds and requires no tools.

Clip-on attachment

The **Micro IV** comes with a heavy duty alligator clip that allows the detector to be conveniently clipped on to clothing and if so desired near the breathing zone.

Optional motorized pump

The **Micro IV** is available with an optional motorized pump to allow sampling from a remote location. The motorized pump may also be used in extraordinary harsh conditions, such as extreme heat, where it may be desirable to protect the instrument under protective clothing; using a tube the pump can draw air samples from the breathing zone.



Large graphic display

The **Micro IV** detector features a large backlit easy-to-read graphic display that provides a continuous readout for the sensor installed. By pressing a single button additional information such as Peak, STEL and TWA readings may be displayed.

Audible, vibrating and visual alarms

The **Micro IV** detector features a loud alarm (95db at 12 inches), a built-in vibrating alarm and a bright multi-directional visual LED alarm light.

Lifetime warranty

The **Micro IV** carries a lifetime warranty on non-consumable components and two or more years of warranty on most sensors. Select sensors such as O₂, H₂S, and CO carry a full three year warranty against failure.

DS220 docking station

The **Micro IV** is available with either a single or six position fully automatic docking station. The docking station makes bump test and calibration even easier and all maintenance records are stored automatically. The docking station fully test sensor response, alarms and other functionality.



Specifications

Ranges & resolution for select sensors

Ammonia (NH ₃)	0 - 500 ppm	1 ppm
Carbon monoxide (CO)	0 - 300 ppm	1 ppm
Chlorine dioxide (ClO ₂)	0 - 2 ppm	0.01 ppm
Chlorine (Cl ₂)	0 - 10 ppm	0.1 ppm
Ethylene oxide (ETO)	0 - 20 ppm	0.1 ppm
Hydrogen fluoride (HF)	0 - 10 ppm	1 ppm
Hydrogen sulfide (H ₂ S)	0 - 100 ppm	1 ppm
Hydrogen (H ₂)	0 - 4 % vol	0.01 %/vol
Hydrogen chloride (HCl)	0 - 30 ppm	0.2 ppm
Hydrogen cyanide (HCN)	0 - 50 ppm	0.5 ppm
Nitrogen oxide (NO)	0 - 100 ppm	1 ppm
Nitrogen dioxide (NO ₂)	0 - 30 ppm	0.1 ppm
Oxygen (O ₂)	0 - 25 % vol	0.1 %/vol
Ozone (O ₃)	0 - 1 ppm	0.01 ppm
Phosgene (COCl ₂)	0 - 2 ppm	0.01 ppm
Phosphine (PH ₃)	0 - 10 ppm	0.05 ppm
Silane (SiH ₄)	0 - 20 ppm	0.05 ppm
Sulphur dioxide (SO ₂)	0 - 10 ppm	0.1 ppm

Other Specifications

Dimensions:	3.5x1.85x1 inches (88x47x25 mm)
Weight:	2 - 4 ounces (57 - 113 g)
Power:	One single alkaline AA-battery
Operation time:	Up to 3000 hours, continuous
Alarms:	Vibrating: Standard Audible: 95 db (12 inches) Visual: Multi-directional LEDs
Housing:	IP-54
Temperature range:	-4 to +131°F (-20 to +55°C)
Humidity range:	5 to 99% r.h. (non-condensing)
Pressure Range:	700 to 1,300 hPa
Intrinsic safety:	c-UL-us Class 1, Zone 1, Group IIC Class 1, Div. 1, Groups A, B, C, D Temperature Code T3C Atex II 2G EEx IIV T3/T4

Standard Accessories

Rubber boot
Alkaline battery
Belt clip
Manual

Optional Accessories

Slide-on motorized pump
PC connection interface
Docking Station
Calibration gas, kits and regulators

Warranty

Limited lifetime on instrument and electronics. Two years on most sensors, three years on select sensors including O₂, CO and H₂S.

Refer to GfG complete warranty for details

Specifications subject to change without notification

Distributed by:



GfG Instrumentation

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