



MultiPro™ is a high performance multi-gas portable monitor designed to offer simultaneous detection of Oxygen, Carbon Monoxide (CO), Hydrogen Sulphide (H₂S) and flammable gas hazards

MultiPro™



Tough durable housing

- Small, lightweight design
- Robust, shock-resistant housing: polycarbonate frame with a rubber overmold

Ultra clear backlit display

- Fully illuminated backlit LCD
- Easy to read with clear data display
- Continuous, real-time gas readings
- One-button operation
- Peak, STEL and TWA readings

Effective gas alarm indication

- Highly visible bright LED visual alarm
- Distinctive loud two-tone audible alarm
- Vibration alarm that demands attention in high noise environments
- Four alarm levels for toxic sensors (Warning, Danger, STEL and TWA)

Offers enhanced safety

- Low battery alarms
- Up to 22 hours run time depending on battery type
- Confidence LED and heartbeat pulse on display to indicate correct operation and power
- Flammable sensor warnings when O₂ is low enough to potentially compromise sensor performance

Optional slip-on pump

- Software controlled pump
- Powered by the MultiPro™ battery
- Automatic low flow/blockage alarm

Cost-effective ongoing use

- Field serviceable
- When used with optional docking station and BioTrak software the ongoing cost of bump testing and calibration is reduced by up to 60% Integral datalogging
- Includes a black box datalogger
- Event logger (automatically logs 20 latest sessions)

Optional Accessories

- Motorised pump
- Hand-aspirated sample draw kit
- Calibration / sample draw adapter
- Bump Test and Calibration Station: Includes 110V power supply, USB cable, software manual, 60 cms (2 ft) tubing with fitting and demand flow
- BioTrak software kit including BioTrak software and manual (please note: computer must support IrDA to download)
- Slip-in chargers and battery packs

Optimised to enhance safety, MultiPro™ is suited to a wide variety of applications including confined space entry, with its optional in-built motorised pump or hand aspirator.

MultiPro™ provides a user-friendly and robust monitoring solution with enhanced safety functionality including audible, visual and vibration alarms that feature four set points for toxic sensors (Warning, Danger, STEL and TWA). MultiPro™ also includes auto-warning capabilities for flammable sensors if Oxygen levels fall low enough to potentially compromise the sensor's performance.

Designed to offer personnel the power needed to get the job done, MultiPro™ features staged low battery alarms, backed up by a LED confidence beep and pulsing heartbeat on the display to indicate correct operation and battery power status.

With real-time readings, a black box recorder and event logger that automatically records the last 20 sessions, MultiPro™ helps permit simplified device management and fleet management activities. An in-built IR port allows quick communication with a PC, whilst the device's accompanying software, BioTrak, allows quick modification of MultiPro™.

With diffusion and sample mode settings and optional motorised, continuous draw pump, MultiPro™ offers the performance and detection capabilities required by the most challenging applications.



General Specification



| | | | | |
|--|---|----------------------|-----------------------------|-----------------------|
| Housing | | | | |
| Material | Polycarbonate with tough rubber overmold | | | |
| Weight | (Alkaline): 280 g (9.9 oz); with pump: 370 g (13.1 oz), (Lithium-ion): 220 g (7.8 oz); with pump: 310 g (10.9 oz) | | | |
| Dimensions | 11.4 cm H x 6.8 cm W x 4.3 cm D (4 1/2 in. x 2 11/16 in. x 1 11/16 in.) | | | |
| Dimensions with pump installed | 17.1 cm H x 6.8 cm W x 4.3 cm D (6 3/4 in. x 2 11/16 in. x 1 11/16 in.) | | | |
| Power | | | | |
| Type | Rechargeable Lithium-ion or Alkaline (3 x AA size) battery pack options | | | |
| Environmental Ratings | | | | |
| Water resistance rating | IPX5 | | | |
| RF immunity | Conforms to EN 50270 | | | |
| RF emissions | Conforms to IEC 61000-6-4 | | | |
| ESD immunity | Conforms to IEC 61000-4-2 | | | |
| Approvals (All certifications include chargers and IQ docks (with approved chgr bds)) | | | | |
| | UL Class I, Division 1, Groups A,B,C,D Temp Code T4 | | ATEX (DEMKO) Ex ia d IIC T4 | |
| | UL Class II, Division 1 Groups E,F,G | | IECEx Ex ia d IIC T4 | |
| | UL Class III | | CE Mark | |
| | CSA Class I, Division 1 Groups A,B,C,D Temp Code T4 | | CQST (China) Ex ia d IIC T4 | |
| Capabilities | | | | |
| Controls | One-button operation. Single "Mode" button switch controls all common operations. | | | |
| Sensor channels | One to three channels. Four gases can be monitored when the DuoTox (CO/H ₂ S) sensor is installed | | | |
| Gas Types | | | | |
| Available sensors | O ₂ , LEL, CO, H ₂ S, DuoTox (CO/H ₂ S) | | | |
| User adjustable alarms | Oxygen: Low/High; Combustible: Warning/Danger; Toxic: TWA/STEL/Ceiling (Warning/Danger level for each Toxic alarm) | | | |
| Calibration | Fully automatic "zero" and "span" calibration adjustment | | | |
| Calibration dates | Datalogging instruments automatically retain the most recent calibration date and time | | | |
| Motorised pump | Optional motorised sample draw pump module is available | | | |
| Security beep | User enabled | | | |
| Latching peak alarms | User enabled | | | |
| Datalogging | Black box datalogger that can be upgraded to a full datalogger at any time. Activation code and BioTrak PC software required | | | |
| Datalogging capacity | 2500 records, 12 sessions. (For example, a one minute logging interval results in a 41 hour 40 minute capacity) Logging interval is adjustable from one second to 60 minutes | | | |
| Computer interface | Wireless via PC IrDA port | | | |
| Event logger | 20 events including gas type, max, average, time and duration | | | |
| Sensors | | | | |
| Gas | LEL | O₂ | CO | H₂S |
| Ranges | 0-99 % | 0-30 % by vol. | 0-999 ppm | 0-200 ppm |
| Resolution | 1% | 0.1% | 1 ppm | 1 ppm |
| Default alarm levels | | | | |
| Gas | LEL | O₂ | CO | H₂S |
| Warning | 10% | 19.5% (danger low) | 35 ppm | 10 ppm |
| Danger | 20% | 23.5% | 100 ppm | 20 ppm |
| Alarms | | | | |
| Visual | Bright red LED alarm visible from top and sides | | | |
| Audible | Two-tone, 92 dbA @ 30.5 cm (one ft) | | | |
| Vibrating | Optional | | | |
| Battery life | | | | |
| | Alkaline @ 70°F/22°C (hours): 22 hours, Li-ion @ 70°F/22°C (hours): 22 hours, Pump added: subtract approx 6 - 8 hours | | | |
| Shelf life | | | | |
| Alkaline | 240 days (while shut down), Li-ion (days) 180 days | | | |
| Instrument | | | | |
| Temperature range | Operating 0 to 110°F/-18 to 43°C, Intermittent -20 to 120°F/-29 to 49°C | | | |
| Humidity range | 15 to 95% RH, non-condensing (0 to 95% RH for up to 4 hours) | | | |
| Pump flow rate | 3/8 LPM | | | |
| Pump tubing length | Up to 15m (50ft.) | | | |
| UL charger @ 68°F (20°C) | Up to 5.5 hours | | | |
| Display | Front mounted LCD simultaneously displays readings for all gases being monitored | | | |
| Display backlight | Bright white LED backlight (activated by Mode button) | | | |

Our Product Range



Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- » Detection of flammable, Oxygen and toxic gases (including exotics)
- » Innovative use of four core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- » Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- » Cost effective regulatory compliance solutions

Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces.

These include:

- » Detection of flammable, Oxygen and toxic gases
- » Single gas personal monitors – worn by the individual
- » Multi-gas portable gas monitors – used for confined space entry and regulatory compliance
- » Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- » Expert team on hand to answer questions and queries
- » Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- » Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

Contact information for orders (sales & service)

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Contact information for service returns

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