

MicroDock

Automated Instrument Docking Station

Cost-Effective Instrument Management

The MicroDock calibration, test and record storage system provides automated calibration and bump-testing for the GasAlertMicro multi-gas detector. Expandable to include up to 10 docking modules, the MicroDock is the world's most advanced, compact and affordable automatic calibration and testing system for the ultimate confined space gas detector, the GasAlertMicro.

- ▲ Fully automatic "hands-free" calibration and functional bump test
- ▲ Automatically verifies performance of audible and visual alarms
- ▲ Stores and updates calibration records in both the GasAlertMicro and the MicroDock
- ▲ No computer required
- ▲ Entirely self-contained
- ▲ Fully portable
- ▲ Lightweight and mobile
- ▲ Operates via line power or a set of four C-cell batteries
- ▲ Add additional self-contained docking modules to system via simple, plug-in connections—no external pressure transducers or gas lines necessary
- ▲ Simplify record keeping
- ▲ Verify proper performance
- ▲ Reduce maintenance costs



Fully automatic!

Fully portable!

Fully affordable!



GasAlertMicro

Ordering Information

Basic One-Module MicroDock System GAMIC-DOCK-1
Includes base station, one GasAlertMicro docking module (installed), 110-240 VAC universal power adapter, 32 MB MultiMediaCard (installed), Excel Datalog Manager software, USB connector cable, fresh air inlet filter, four C-cell alkaline batteries, two 2 ft./0.6 m calibration gas hoses, two gas cylinder inlet fittings and instructions.

Note: GAMIC-DOCK-1 does not include demand flow regulator or cal gas.
REG-DF-1 demand flow regulator must be ordered separately.

Portable MicroDock System Kit GAMIC-DOCK-2
Includes Basic MicroDock System components, plus 34 L quad calibration gas cylinder, demand flow regulator, all in a convenient hard-sided carrying case.

Portable MicroDock System - Dual Module Kit GAMIC-DOCK-3
Includes Basic MicroDock System components with one additional docking module, plus 58 L quad calibration gas cylinder, demand flow regulator, all in a heavy duty, waterproof, foam lined carrying case.

Accessories and Options

GAMIC-MOD GasAlertMicro Docking Module	
REG-DF-1	Demand Flow Regulator
CG-Q34-4	Quad calibration gas (34L)
CG-Q58-4	Quad calibration gas (58L)

MicroDock

Automated Calibration/Bump Test Station for GasAlertMicro

The new MicroDock system is a cost-effective way to manage calibration and bump-testing of the GasAlertMicro multi-gas detector. Fully portable and easily expandable, the MicroDock requires no computer and provides simultaneous management of up to 10 GasAlertMicro docking modules.

Costs and time requirements for routine maintenance are reduced through the MicroDock's sophisticated automatic calibration and test procedures. Instrument records are stored for easy retrieval in the MicroDock and each individual GasAlertMicro.

Minimize expenses and maximize productivity with the MicroDock.

SPECIFICATIONS

INSTRUMENT: Automated calibration/bump-test station for GasAlertMicro multi-gas detector

GENERAL SPECIFICATIONS

Microcontroller: High performance microcontroller system
Power supply: 6V wall adapter or four C-cell batteries
Real-time clock: Provides time and date stamp for "last calibration" data
Data storage: Automatic (instrument and base station)
32 MB MultiMediaCard data storage system

External interface: USB interface for PC

Pump: DC motor, micro-diaphragm; 6V PCB mount

Flow rate: Typically 300 mL/min

Flow sensor: Automatic flow rate adjustment

Calibration gas cylinder inputs: 2-gas inlets (standard)
5-gas inlets (maximum)

Automatic tests: Functional bump, calibration, audible alarm, visual alarm

Configuration recognition: Automatic (instrument and sensor)

Alarm/Calibration parameters: User-settable

Calibration gas connections: Built-in (base station)
1/8" SMC connect sub-miniature coupling

Solenoid: Built-in (docking modules)

LED INDICATORS: Yellow - TEST
(on each docking module) Green - PASS
Red - FAIL

COMMAND KEYS:

Base station: Menu navigation

Docking modules: One touch Bump-test initiation
One touch Calibration initiation

COMMUNICATIONS METHOD: Infrared (two-way)—between docking module and GasAlertMicro

SENSORS: Audio
Optical

LCD: 4 line x 16 characters, wide viewing angle, user-selectable backlighting

PHYSICAL size: 8.3 x 10.4 x 3.2 in. / 21.2 x 26.3 x 8.2 cm (base station plus one docking module)

Enclosure: Impact-resistant PC/ABS (polycarbonate)

WARRANTY: 2 years

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

"INNOVATORS IN GAS DETECTION"

BW
Technologies

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- 1 TEST, PASS AND FAIL LED INDICATORS
- 2 LARGE, ALPHANUMERIC STATUS LCD
- 3 FULLY AUTOMATIC, "HANDS-FREE" TEST AND CALIBRATION
- 4 BUILT-IN PUMP FOR GAS DELIVERY
- 5 EASY EXPANSION FOR MULTIPLE MODULES
- 6 COMPLETELY MODULAR

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