

Preliminary

# MicroDock II

## Automated Instrument Docking Station

"INNOVATORS IN GAS DETECTION"



### Cost-Effective Instrument Management

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

- ▲ 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, GasAlert Extreme, and the MicroDock II
- ▲ 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
- ▲ Multiple MicroDock II systems can be connected via a LAN
- ▲ Multi-language support in English and French (others to come)

**Fully automatic!**

**Fully portable!**

**Fully affordable!**



GasAlertMicro

GasAlert Extreme

GasAlertClip Extreme

### Ordering Information

#### Basic One-Module MicroDock II System

Includes base station, one 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 II System Kit

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

#### Portable MicroDock II System - Multi-Module Kit

Includes Basic MicroDock II System components with one up to three docking modules, calibration gas cylinder, demand flow regulator, all in a heavy duty, waterproof, foam lined carrying case.

#### Accessories and Options

- |          |                            |
|----------|----------------------------|
| REG-DF-1 | Demand Flow Regulator      |
| CG-Q34-4 | Quad calibration gas (34L) |
| CG-Q58-4 | Quad calibration gas (58L) |



# MicroDock II

## Automated Calibration/Bump Test Station for GasAlertMicro

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

Cost and time requirements for routine maintenance are reduced through the MicroDock II's sophisticated automatic calibration and test procedures. Instrument records are stored for easy retrieval in the MicroDock II and each individual gas detector. Each MicroDock II can be connected via a LAN connection.

Minimize expenses and maximize productivity with the MicroDock II.

### SPECIFICATIONS

**INSTRUMENT:** Automated calibration/bump-test station for GasAlertMicro, GasAlert Extreme, and GasAlertClip Extreme

#### 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 communication between docking module and detector  
**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



- 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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