



M•Cal401™ Calibration Station shown with M40/SP40 Bay

With the new M•Cal™ Calibration Station, calibrating, bump testing and charging the M40 Multi-Gas Monitor has never been easier or more cost-effective. Available in single- or six-unit versions, the M•Cal will accommodate all M40 monitors with software version 4.0 or higher in a diffusion mode or with an SP40 sampling pump attached. The M•Cal features simple, two-button operation allowing the user to quickly and easily calibrate or function (bump) test the instrument, and the LED indicators display whether or not the instrument passed or failed the desired function.

A PC is not required to operate this stand-alone system, making the unit extremely portable and flexible. Available accessories include an optional battery powered kit that enables the system to be used in remote areas, and a serial data printer that automatically prints calibration and bump test reports. The reports can be used for confined space entry permits with information pertaining to instrument serial numbers, pass/fail indications, bump test readings and full span readings for each sensor installed in the M40 monitor.

- Stand-alone operation. No PC is required.
- Calibration
- Function (bump) testing
- Battery Recharging
- Simple, two-button operation

## SPECIFICATIONS

**MONITORS SUPPORTED:** M40 Software versions 4.0 and higher

**CONFIGURATIONS:** M40 only version  
M40/SP40 pump version  
Six-unit versions (all configurations)

**DIMENSIONS M•Cal401:** 4.03" x 6" x 7"  
(10.24 cm x 15.24 cm x 17.78 cm)

**DIMENSIONS M•Cal406:** 4.92" x 12.23" x 13"  
(12.5 cm x 31.06 cm x 33.02 cm)

**GAS INLETS:** One fresh air, one gas cylinder

**PUMP FLOW RATE:** 0.25 LPM

**INPUT:** Universal power supply

**COMMUNICATION:** On-board LEDs give status indication (pass, fail, charging). Real-time readings on M40 display during calibration.

**INTERNAL MEMORY:** Stores up to 150 bump test and calibration reports before overwrite. Reports contain serial number, time, date, sensor information, pass/fail, span values and bump values (for bump tests). Memory will retain information when power is off.



M•Cal406™ Calibration Station

REV0905

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## M•CAL™ CONFIGURATIONS, OPTIONAL ACCESSORIES AND REPLACEMENT PARTS

| PART NUMBER     | DESCRIPTION                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------|
| 18105965-10X*   | M•Cal401 – Single-unit, M40 bay                                                                                             |
| 18105965-01X*   | M•Cal401 – Single-unit, M40/SP40 bay                                                                                        |
| 18105973-06X*   | M•Cal406 – Six-unit, with six M40/SP40 bays                                                                                 |
| 18105973-15X*   | M•Cal406 – Six-unit, with one M40 bay and five M40/SP40 bays                                                                |
| 18105973-24X*   | M•Cal406 – Six-unit, with two M40 and four M40/SP40 bays                                                                    |
| 18105973-33X*   | M•Cal406 – Six-unit, with three M40 and three M40/SP40 bays                                                                 |
| 18105973-42X*   | M•Cal406 – Six-unit, with four M40 and two M40/SP40 bays                                                                    |
| 18105973-51X*   | M•Cal406 – Six-unit, with five M40 bays and one M40/SP40 bay                                                                |
| 18105973-60X*   | M•Cal406 – Six-unit, with six M40 bays                                                                                      |
| 1711-7722       | Serial data dot matrix printer – 120 VAC powered                                                                            |
| 1711-7714       | Serial data thermal printer – battery powered only                                                                          |
| 1711-9843       | Replacement cable for M•Cal to PC interface 6' Null Modem F/F                                                               |
| 1711-8118       | Replacement power supply                                                                                                    |
| M40-KIT-DFR0000 | M•Cal accessory kit (demand flow regulator, calibration gas cylinder, tubing, CD)                                           |
| 1810-2509       | Demand flow regulator                                                                                                       |
| 1810-3556       | Demand flow regulator (for use with 650 liter cylinder)                                                                     |
| 1810-3937       | 34 liter calibration/bump gas – pentane (four-gas – 100 PPM CO, 25 PPM H <sub>2</sub> S, 25% LEL pentane, O <sub>2</sub> )  |
| 1810-2187       | 58 liter calibration/bump gas – pentane (four-gas – 100 PPM CO, 25 PPM H <sub>2</sub> S, 25% LEL pentane, O <sub>2</sub> )  |
| 1810-3366       | 650 liter calibration/bump gas – pentane (four-gas – 100 PPM CO, 25 PPM H <sub>2</sub> S, 25% LEL pentane, O <sub>2</sub> ) |
| 1810-5536       | 34 liter calibration/bump gas – methane (four-gas – 100 PPM CO, 25 PPM H <sub>2</sub> S, 50% LEL methane, O <sub>2</sub> )  |
| 1810-5262       | 58 liter calibration/bump gas – methane (four-gas – 100 PPM CO, 25 PPM H <sub>2</sub> S, 50% LEL methane, O <sub>2</sub> )  |

\*M•Cal™ Calibration Station Ordering Information – X = Power Cord (0 = N. Amer., 1 = U.K., 2 = Eur, 3 = AUS)

## M40 MULTI-GAS MONITOR

The M40 is a versatile, multi-gas monitor capable of detecting CO, H<sub>2</sub>S, O<sub>2</sub>, and combustible gases for a wide variety of hazardous and confined space applications.



The M40 is housed in a rugged, impact-resistant case to provide superior performance and durability in harsh environments and resistance to radio-frequency and electromagnetic interference. Its four-button interface provides simple, intuitive operation and calibration, and the M40's five-second "Off" feature prevents unintentional shut-offs. The unit's compact size and economical price make it an ideal personal monitoring instrument.



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