

biosystems

A Bacou-Dalloz Company

MultiVision Confined Space Gas Detector from Biosystems



The MultiVision offers up to four independent sensors for the detection of oxygen, combustible gas, carbon monoxide, and hydrogen sulfide. The instrument case is made of chrome-plated ABS and is rated to IPX5 / IPX7 against water ingress (immersible) and is rate for RFI immunity to 40 V/m.

The MultiVision offers run times of up to 20 hours in diffusion mode and up to 16 hours when using the internal the pump and NiMH battery pack. Alkaline battery packs yield run times of up to 16 hours in diffusion

mode and up to 12 hours with the internal pump on between battery changes.

A single button located on the left side of the instrument controls all day-to-day instrument functions including:

- turning on the backlight
- scrolling through the current gas readings, MAX and TWA screens
- initiating calibration sequences

MultiVision Sensors

		Range	Resolution
54-42-80	LEL combustible gas / Oxygen (O ²)	0-100% LEL	1% LEL
54-42-90	LEL combustible gas / Oxygen (O ²) / Carbon Monoxide (CO)	1-30% Vol	0.1%
54-42-01	LEL combustible gas / Oxygen (O ²) / Hydrogen Sulfide (H ² S)	0-1000 ppm	1 ppm
54-42-02	LEL combustible gas / Oxygen (O ²) / Carbon Monoxide (CO) / Hydrogen Sulfide (H ² S)	0-200 ppm	1 ppm
54-42-101	MultiVision Exchange set of 4 sensors. O ₂ , LEL, CO and H ₂ S. This part number requires return of identical set of expired set of MultiVision sensors.		

The new standard in inexpensive and reliable gas detection

- **Compact design** The MultiVision's sleek, tapered design easily fits in your hand, or uses its belt clip for hands-free monitoring.
- **Optional built-in motorized sample pump** The MultiVision may be equipped with a built-in motorized sample draw pump. The pump version features automatic switching between pump and diffusion modes.
- **Rugged and weatherproof** The MultiVision's durable and impact-resistant chrome-plated ABS case is rated to IPX5 / IPX7 against water ingress (immersible).
- **Serious RFI protection** The MultiVision is immune to Radio Frequency Interference to 40 volts per meter.
- **One button operation** The MODE button on the left side of the instrument controls all day-to-day functions including initiation of the automatic calibration sequence.
- **Battery options** The MultiVision comes equipped with your choice of interchangeable Alkaline or NiMH battery packs. NiMH versions also include a drop-in charger.
- **Hazardous certification** UL classified for Class 1, Division 1 Groups A,B,C,D Hazardous Locations. Other certifications pending.
- **Long battery life** The rechargeable NiMH battery runs the MultiVision for up to 20 hours in diffusion mode or up to 16 hours with the pump on between charges. Alkaline battery packs yield run times of up to 16 hours in diffusion mode or up to 12 hours with the pump on.

- **Loud audible alarm** The audible alarm is rated to 92dBA at 1 foot.
- **Built-in black box data recorder** Every MultiVision includes a built-in "black box" data recorder that can store more than 30 hours of instrument readings and other data.
- **Optional Datalogger** The "black box" Datalogger can be updated to a full datalogging instrument at any time.

Ordering information:

Standard Accessories: Each MultiVision detector is shipped complete with standard accessories including belt clip, calibration adapter and tubing, reference manual, quick reference card, and training CD-ROM.

- Alkaline MultiVision Detectors come with an alkaline battery pack and a set of three AA disposable batteries.
- Rechargeable detectors include a Nickel Metal Hydride (NiMH) battery pack and slip-in charger cradle.

MultiVision detectors are also available as Confined Space Kits and Value Pack Kits.

- **Confined Space Kits** include all standard accessories plus an all-in-one large cylinder of calibration gas (58 or 103 liters), fixed flow regulator and calibration adapter all in a waterproof "pelican-style" carrying case.
- **Value Packs** include an alkaline MultiVision detector with standard accessories plus large all-in-one small cylinder of calibration gas (34 liters), fixed flow regulator and calibration adapter all in a hard-shell carrying case.

SPECIFICATIONS

Size: 6" x 3.4" x 2.5" (15 x 8.6 x 6.4 cm)

Weight: 20 oz. (570 g)

Intrinsic Safety: UL Classified for Class 1 Division 1 Groups A,B,C,D Hazardous Locations. Other certifications pending.

Durability: Meets IPX5/IPX7 water standard.

Display: Oversized 2" x 1.5" LCD display.

Audible Alarm: Loud warbling, two-tone alarm rated at 92dBA at one foot.

Visual Alarm: Bright red LED alarm.

Display Backlight: Activates with MODE button.

Controls: One-button automatic calibration.

Housing: Chrome metal-plated, RFI resistant ABS with RFI immunity to 40 V/m.

Battery Options: Alkaline or rechargeable NiMH (Nickel Metal Hydride) battery packs.

Battery Life (diffusion): 20 hrs NiMH, 16 hrs Alkaline.

Battery Life with Pump: 16 hrs NiMH, 12 hrs Alkaline.