



MultiPro Confined Space Gas Detector

The Biosystems MultiPro confined space meter offers real time readings for up to 4 gases, true one-button operation (including calibration), and a built in event logger capable of storing information for 20 events including sensor type, max and average readings, time and duration. It's available with either a Li-Ion or an alkaline battery pack and offers run times up to 22 hours.

For remote use, both manual and motorized sample draw systems are available. The MultiPro is loaded with features that are critical for working safely in confined spaces.

MultiPro Confined Space Gas Detector from Biosystems

KEY FEATURES

Easy one-button operation -- The MODE button on the front of the MultiPro controls all day-to-day functions including:

- Scroll through current gas readings, MAX, STEL and TWA screens
- Initiate fresh air and span calibration sequences
- Turn on the backlight
- Access to Advanced Menus

Optional slip-on motorized pump --

- Software controlled pump
- Powered by MultiPro battery
- Automated pump leak test whenever the pump is attached to the instrument
- Automatic switching between pump and diffusion modes.

Compact and rugged design -

- Rated to IPX5 against water ingress
- Watertight, impact-resistant polycarbonate case with the added

protection of an over-molded rubber boot

Long Battery Life --

- Li-Ion rechargeable battery provides up to 22 hours of use in diffusion mode and recharges in less than 5 hours.
- Alkaline batteries provide up to 22 hours of use between battery changes.

Data --

- Automatic event logger stores information for 20 events including sensor type, max and average readings, time and duration.
- Standard black box recorder stores more than 40 hours of instrument readings .
- Upgrade to a full datalogging instrument at any time for easy and convenient downloading to a PC.
- Built-in IrDA port for easy communication with a PC.

Certifications -- UL Class I, Division 1, Groups A,B,C,D Temp Code T4.

SPECIFICATIONS

Size	4.5" x 2.7" x 1.7" (11.4 x 6.8 x 4.3 cm)
Weight	Alkaline: 9.9 oz. (280g) Li-Ion: 7.8 oz. (220g)
Intrinsic Safety	UL Class I, Division 1, Groups A, B, C, D Temp Code T4. CE mark. Other certifications pending
Durability	Meets IPX5 water standard
Display	Front-mounted LCD simultaneously displays readings for up to 4 sensor channels
Audible Alarm	Loud warbling, two-tone alarm rated at 92dBA at one foot
Visual Alarm	Bright red LED alarm visible from front and sides
Display Backlight	Activates with MODE button
Controls	True one-button operation including automatic calibration
Housing	Polycarbonate case with over molded rubber boot
Battery Options	Alkaline or rechargeable Li-Ion (Lithium Ion) battery packs
Battery Life (diffusion)	24 hrs with either battery pack

Battery Life with Pump	16 hrs with either battery pack
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Standard Accessories

Clothes Clip, Operators guide, Training CD-ROM, Laminated quick reference guide, Calibration adapter. Rechargeable Li-Ion version includes charger

Complete MultiPro Instrument Kits:

Confined Space Kit

- All standard accessories, standard sized (58 or 103 liter) cylinder(s) of calibration gas, Fixed flow regulator with gauge, Foam-lined waterproof carrying case

Value Pack

- All standard accessories, compact sized (34 liter) cylinder of all-in-one calibration gas, fixed flow regulator, foam-lined carrying case
See matrix for available value pack configurations

MultiPro Configuration Matrix

MultiPro Sensors Installed	Battery and/or Kit Configuration (CSK = Confined Space Kit)				
	Alkaline	Alkaline CSK	Alkaline Value Pack	Li-Io	Li-Ion CSK
LEL / O ₂	54-48-300A	54-48-300AC	54-48-300AV	54-48-300N	54-48-300NC
LEL / O ₂ / CO	54-48-301A	54-48-301AC	54-48-301AV	54-48-301N	54-48-301NC
LEL / O ₂ / H ₂ S	54-48-302A	54-48-302AC	54-48-302AV	54-48-302N	54-48-302NC
LEL / O ₂ / Duo-Tox (CO/H ₂ S)	54-48-314A	54-48-314AC	54-48-314AV	54-48-314N	54-48-314NC
LEL	54-48-100A	N / A	N / A	54-48-100N	N / A

MultiPro Options (Add option code letter to the part number)

Option	Code	Comments
Alkaline	A	MultiPro Alkaline & Li-Ion batteries are interchangeable. Li-Ion version includes charger. Li-Ion option is not available in Value Pack configurations.
Rechargeable	N	
Confined Space Kit (CSK)	C	Confined Space kits contain standard accessories, standard sized calibration gas and fixed flow rate regulator conveniently packaged in a rugged waterproof carrying case.
Value Pack	V	Value Pack kits contain standard accessories, compact sized calibration gas, fixed flow rate regulator, and foam-lined carrying case. See matrix for available configurations
Datalogging	D	Enables the MultiPro to download recorded measurements to a PC. This option is available as an upgrade after purchase. Download software must be purchased separately. Computer must support IrDA to download.
Vibrating Alarm	Y	Adds an internal vibrating alarm

MultiPro Accessories

MultiPro Remote Accessories

Part #	Description
54-49-102	Continuous sample pump for MultiPro. Includes 10' of sample tubing and sample probe assembly.
54-49-104	Sample draw/calibration adapter
54-49-105	Sample draw kit. Includes adapter, squeeze bulb, 10' of tubing and sample probe assembly.
54-05-A0403	Sample probe assembly. Does not include tubing, squeeze bulb, or sample draw adapter
54-05-	Sample probe assembly with 11.5-inch stainless-steel probe tube. Does

A0405	not include tubing, squeeze bulb, or sample draw / calibration adapter
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MultiPro Sensors

Part #	Description	Range	Resolution
54-49-80	LEL Combustible gas	0 – 100% LEL	1% LEL
54-49-90	O ₂ Oxygen	0 – 30%/Vol.	0.1%
54-49-01	CO Carbon monoxide	0 – 1000 PPM	1 PPM
54-49-02	H ₂ S Hydrogen sulfide	0 – 200 PPM	1 PPM
54-49-14	Duo-Tox Dual channel CO/H ₂ S. Provides substance specific readouts for CO & H ₂ S.	CO: 0 – 1000 PPM H ₂ S: 0 – 200 PPM	1 PPM 1 PPM
54-49-200	Multi Pro sensor exchange set. O ₂ , LEL, Duo-Tox***		
54-49-201	Multi Pro sensor exchange set. O ₂ , LEL, CO***		
54-49-202	Multi Pro sensor exchange set. O ₂ , LEL, H ₂ S***		
***This part number requires return of identical set of expired sensors.			

MultiPro Charging & Datalogging Accessories

Part #	Description
54-49-103-1	Slip-in fast charger (110 VAC) for MultiPro. Includes "wall cube" supply
54-49-103-12	Slip-in fast charger (12 VDC) for MultiPro. Includes "cigarette lighter" style adapter, and vehicle mounting hardware)
54-49-106	MultiPro Alkaline battery pack
54-49-107	MultiPro Li-Ion rechargeable battery pack
54-26-0603	MultiPro BioTrak Software Kit. Includes BioTrak software and manual
54-26-0605	Infrared communication device (Serial – IrDA) - <i>Requires one available</i>

	<i>PC serial port.</i>
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