

MultiPro™ SPECIFICATIONS

Four-Gas Detector



Housing	
Material	Polycarbonate with tough rubber overmold
Weight (Alkaline)	9.9 ounces (280 grams); with pump: 13.1 ounces (370 grams)
Weight (Lithium-Ion)	7.8 ounces (220 grams); with pump: 10.9 ounces (310 grams)
Dimensions	4 1/2" (11.4 cm) H x 2 11/16" (6.8 cm) W x 1 11/16" (4.3 cm) D
Dimensions with pump installed	6 3/4" (17.1 cm) H x 2 11/16" (6.8 cm) W x 1 11/16" (4.3 cm) D
Power	
Type	Rechargeable Lithium Ion or Alkaline (3 x AA size) battery pack options
Environmental Ratings	
Water Resistance Rating	IPX5
RF Immunity	Conforms to EN 50270
RF Emissions	Conforms to IEC 61000-6-4
ESD Immunity	Conforms to IEC 61000-4-2
Approvals (All certifications include chargers and IQ docks (with approved chgr bds).	
	UL Class I, Division 1, Groups A,B,C,D Temp Code T4
	UL Class II, Division 1 Groups E,F,G
	UL Class III
	CSA Class I, Division 1 Groups A,B,C,D Temp Code T4
	ATEX (DEMKO) Ex ia d IIC T4
	IECEX Ex ia d IIC T4
	CE Mark
	CQST (China) Ex ia d IIC T4
Capabilities	
Controls	One button operation. Single "Mode" button switch controls all common operations.
Sensor Channels	One to three channels. 4 gases can be monitored when the DuoTox (CO/H ₂ S) sensor is installed
Gas Types	
Available Sensors	O ₂ , LEL, CO, H ₂ S, DuoTox (CO/H ₂ S)
User adjustable alarms	Oxygen: Low/High; Combustible: Warning/Danger; Toxic: TWA/STEL/Ceiling (Warning/Danger level for each Toxic alarm)
Calibration	Fully automatic "zero" and "span" calibration adjustment
Calibration dates	Datalogging instruments automatically retain the most recent calibration date and time.
Motorized pump	Optional motorized sample draw pump module is available.
Security Beep	User enabled
Latching Peak Alarms	User enabled
Datalogging	Blackbox datalogger that can be upgraded to a full datalogger at any time. Activation code and BioTrak PC software required.
Datalogging capacity	2500 records, 12 sessions. (For example, a 1 minute logging interval results in a 41 hour 40 minute capacity.) Logging interval is adjustable from 1 second to 60 minutes.
Computer Interface	Wireless via PC IrDA port
Event Logger	20 events including gas type, max, average, time and duration

Sensors				
Gas	LEL	O ₂	CO	H ₂ S
Ranges	0-99 %	0-30 % by vol.	0-999 PPM	0-200 PPM
Resolution	1%	0.1%	1 PPM	1 PPM
Default Alarm Levels				
Gas	LEL	O ₂	CO	H ₂ S
Warning	10%	19.5% (danger low)	35 PPM	10 PPM
Danger	20%	23.5%	100 PPM	20 PPM
Alarms				
Visual	Bright red LED alarm visible from top and sides			
Audible	Two tone, 92 dbA @ 1 foot (30.5 cm)			
Vibrating	Optional			
Battery Life				
Alkaline @ 70°F/22°C (hours)	22 hours			
Li-ion @ 70°F/22°C (hours)	22 hours			
Pump added to above	subtract approx 6 - 8 hrs			
Shelf Life				
Alkaline	240 days (while shut down)			
Li-ion (Days)	180 days			
Instrument				
Temperature range	Operating 0 to 110°F/-18 to 43°C, Intermittent -20 to 120°F/-29 to 49°C			
Humidity Range	15 to 95% RH, non-condensing (0 to 95% RH for up to 4 hours)			
Pump Flow Rate	3/8 LPM			
Pump Tubing length	Up to 50ft. (15m)			
UL Charger @ 68°F (20°C)	Up to 5.5 Hours			
Display	Front mounted LCD simultaneously displays readings for all gases being monitored			
Display Backlight	Bright white LED backlight (Activated by Mode button)			



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