

Cannonball3

Gas Detector



RUGGED ENOUGH FOR THE TOUGHEST ENVIRONMENT

When you're working in hazardous areas under harsh environmental conditions, the last thing you want to worry about is your gas detector. The easy-to-use Cannonball3 from Biosystems was designed to handle the worst that Mother Nature can dish out while delivering the highest level of gas detection safety and the reliability that you've come to expect from Biosystems.

The Cannonball3 is designed for the detection of oxygen deficiencies, flammable gases and vapors and several toxic gases. The first thing you will notice about the Cannonball3 is its scratch resistant display screen, which is the largest in its class. You can't afford to have your gas detector go down, so Biosystems designed the Cannonball3's modular internal pump, filters and battery to be field-replaceable, making maintenance easy and cost-effective.

biosystems™

No one makes it easier®

Rugged Enough for the Toughest Environment

RUGGED AND WEATHERPROOF

The Durable, impact-resistant case is sealed from the outside elements, allowing the Cannonball3 to operate reliably in even the harshest environments. Special RFI shielding prevents operating interference with two-way radios and other electronic devices.

TWO BATTERY CHOICES

The Cannonball3 gives you the flexibility of using a rechargeable NiMH battery pack or disposable alkaline batteries. The NiMH and Alkaline battery options offer 16- and 24-hour operating lives respectively. NiMH batteries take approximately four hours to recharge, in or out of the unit.

UNIQUE VISUAL ALARM

The bright visual alarm system on the Cannonball3 is visible from all sides and can easily be seen in dark or in poorly lit conditions.

EASY AND CONVENIENT CALIBRATION

One-button calibration is just one reason why the Cannonball3 is so easy to use. For calibration verification, the Cannonball3 automatically records the last 10 calibration dates and times for easy reference.

HC-PPM LEL SENSOR

HC-PPM LEL sensor-equipped instruments can be used to monitor for trace (10PPM resolution) to LEL levels of combustible gases and vapors. A secondary display of PPM to volume percent (%) gas levels is given in addition to the standard 0 – 100% LEL display.

INTERNAL PUMP

The Cannonball3 runs a pump test before each use to ensure the pump sample draw system is leak-free.



DILUTION PUMP

When monitoring for combustible gas in areas where the oxygen concentration is less than 10 percent, the Cannonball3 can be equipped with a special internal dilution pump module. The dilution module contains two pumps so the instrument can independently measure the sample and dilution flows and then calculate and display corrected sample readings.

OVERSIZED DISPLAY FOR EASY READING

The large display ensures that readings are easy to view from several feet away or when visibility is limited. The display also features a scratch-resistant, self-healing urethane overlay that keeps the display clear and easy to read even after years of use.

Features

Visual alarm on all sides

Field-replaceable pump

Large screen with scratch-resistant, self-healing urethane overlay

One-button operation

Visual alarm on all sides

Rechargeable or Alkaline batteries, both field-replaceable



Accessories

Battery charger and AC power cord. Included when ordered with rechargeable battery

Battery pack, Alkaline or rechargeable

10-ft. sample draw tubing

Sample probe with hydrophobic and particle filters

Shoulder strap



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Options

OPTION	CODE	COMMENTS
Dilution Pump	-	Dual pumps allow for accurate dilution measurements in inert environments without the use of a dilution orifice. This option is reflected by use of a different part number and does not use an option code.
Alkaline†	A	Alkaline configurations may be upgraded to NiMH/Alkaline after purchase.
Rechargeable†	N	NiMH configuration includes charger. Alkaline battery packs may be purchased separately.
Datalogging	D	Enables the Cannonball3 to record and download measurements. This option is available as an upgrade after purchase. Download software must be purchased separately. Computer must support IrDA to download.
Touch ID™	T	This option includes both datalogging and TouchID™ reader. TouchID™ buttons and programming software must be purchased separately.
Remote Alarm	R	Remote alarm connector is required to connect an optional remote alarm device. Remote device must be purchased separately.

† Either Alkaline or NiMH battery option must be selected.

Configurations

CANNONBALL3	STANDARD VERSION (1 PUMP)			DILUTION VERSION (2 PUMPS)								
	Options	Part #	Alkaline	NiMH	Part #	Alkaline	NiMH					
No Sensors Installed	54-34-00000	-A	-N	54-35-00000	-A	-N						
LEL / O ₂	54-34-30000	-A	-N	54-35-30000	-A	-N						
LEL / O ₂ / CO	54-34-30100	-A	-N	54-35-30100	-A	-N						
LEL / O ₂ / H ₂ S	54-34-30200	-A	-N	54-35-30200	-A	-N						
LEL / O ₂ / Duo-Tox (CO/H ₂ S)	54-34-31400	-A	-N	54-35-31400	-A	-N						
LEL / O ₂ / CO / H ₂ S	54-34-30102	-A	-N	54-35-30102	-A	-N						
LEL / O ₂ / SO ₂	54-34-30300	-A	-N	54-35-30300	-A	-N						
LEL / O ₂ / CO / SO ₂	54-34-30103	-A	-N	54-35-30103	-A	-N						
LEL / O ₂ / H ₂ S / SO ₂	54-34-30203	-A	-N	54-35-30203	-A	-N						
LEL / O ₂ / Duo-Tox (CO/H ₂ S) / SO ₂	54-34-31403	-A	-N	54-35-31403	-A	-N						
HC-PPM LEL / O ₂	54-34-50000	-A	-N	54-35-50000	-A	-N						
HC-PPM LEL / O ₂ / CO	54-34-50100	-A	-N	54-35-50100	-A	-N						
HC-PPM LEL / O ₂ / Duo-Tox (CO/H ₂ S)	54-34-51400	-A	-N	54-35-51400	-A </tr <tr> <td>HC-PPM LEL / O₂ / CO / H₂S</td> <td>54-34-50102</td> <td>-A</td> <td>-N</td> <td>54-35-50102</td> <td>-A</td> <td>-N</td> </tr>	HC-PPM LEL / O ₂ / CO / H ₂ S	54-34-50102	-A	-N	54-35-50102	-A	-N
HC-PPM LEL / O ₂ / CO / H ₂ S	54-34-50102	-A	-N	54-35-50102	-A	-N						

Accessories

PART NO.	DESCRIPTION
35-0379	Cannonball3 Spare motorized sample draw pump
35-0378	Cannonball3 Spare motorized sample draw pumps for dual pump version. The Cannonball3 must be configured for dual pump
35-0377	Cannonball3 Spare NiMH battery pack
35-0376	Cannonball3 Spare Alkaline battery pack (batteries not included)
54-26-0603	BioTrak Software Kit. Includes BioTrak software and manual†
54-26-0605U	Infrared (IrDA) communication adapter for USB port
54-26-0605S	Infrared (IrDA) communication adapter for Serial port
54-27-0802	TouchID™ programming kit. Includes software, programming wand, serial connector, 10 buttons, 10 key chain/wall mounts for TouchID™ buttons and 10 TouchID™ badges

Biosystems | A Bacou-Dalloz Company
 TOLL FREE 800.711.6776
 FAX 860.344.1068
 WWW.BIOSYSTEMS.COM

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