

BioCapture z750

Handheld Air Sampler



High-efficiency and Handheld Bioaerosol Sample Collector

The BioCapture z750 was created to provide CBRN Defense Forces and Emergency Response Teams with a high performance handheld sampler. The BioCapture® z750 is designed around a proven Dry Filter Unit (DFU) technology that has been in use worldwide for decades. The electret filter design incorporated into the z750 has extensively validated sample extraction protocols, and is compatible with PCR, immunoassay, and fieldable mass spec instruments, as well as analytical methods associated with laboratory confirmation.

The BioCapture® z750 retains many of the key features of previous handheld collectors, such as ease of operation in Level A suits, elimination of sample carryover and ability to field decontaminate. For multiple tests in the hot zone, simply lift up the cover, insert a new filter cartridge, close the cover and start the sample collection.

A new feature incorporated into the BioCapture® z750 is an option to sample at the instruments maximum possible flow rate of 400 lpm. When set to Max Flow Mode, ambient air is sampled at 400 lpm for a period of 5 minutes. Using this mode, an operator can maximize the concentration factor of a sample in an event with the potential for airborne biological agents. This new feature, not available in previous BioCapture® models, allows the first responder to optimize the initial response by collecting a maximum sample concentration in the shortest amount of time.

FEATURES

- Disposable sampling filter prevents sample-to-sample carryover
- One button operation (on/off)
- Status and battery level indicator LED
- Integrated flow sensor assures consistent flow at the specification
- Low operational cost
- **NEW: Max Flow Mode allows for a 5 minute sample at 400 lpm**

KEY SPECS

- 200 liters per minute flow rate
- Weighs less than 8 pounds (<4 kgs)
- Up to 3 hours of run time per battery charge
- Selectable sample time in 5 minute increments from 5 to 30 minutes

SPECIFICATIONS

Flow Rate	200 lpm
Max Flow Mode Battery	400 lpm
Life	8 hours
User Selectable Sampling Times	Yes; 5,10,15, 20, 25, 30 minutes
Max Flow Mode Sampling Time	5 minutes at 500 lpm
Liquid Sample Size	Higher Precision: 5 to 6 ml
User Interface	Multiple LED Arrays
Battery Charge Indication	Yes
Cross-Contamination	None 100%
Decontamination Warranty	1 year standard warranty



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