

# BDX II ABATEMENT AIR SAMPLER

*Introducing The BDXII,  
the newest member of Sensidyne's  
Gilian Line. A low cost, high  
performance personal air sampling  
pump for the lead and asbestos  
abatement industry.*



- 0.5 - 3.0 LPM
- Anti-tamper control covers
- Internal components sealed from dust, fibers and moisture
- Easy calibration
- Portable
- Built-in electronic flow control adjustment
- Rechargeable battery pack
- UL approved

**SENSIDYNE®**

**800.451.9444**

For the first time, the precision of Sensidyne's Gilian line is combined with the durability and economical pricing of BDX products in the BDX II. Designed for lead and asbestos monitoring, its compact, lightweight design is rugged and completely reliable, making it ideal for field applications.

The BDX II accurately monitors for asbestos using the NIOSH Method 7400 or the OSHA reference sampling method. It will also monitor for lead using NIOSH Methods 7082, 7105 or 7300.

## FEATURES

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Rugged and dependable construction will withstand the toughest industrial environments.

This pump is made to outlast and outperform larger and more costly pumps.

The built-in rotameter monitors flow rates over the entire flow range of 0.5 - 3.0 LPM.

The electronic flow control adjustment enables parts to last longer.

The rechargeable NiCad battery provides approximately 10 hours of reliable operation on a single charge and easily detaches from the pump body for recharging and/or quick field change.

Sealed flow adjustment and on/off switch protects the pump from moisture, dust and fibers.

## STARTER KIT

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A specially designed Starter Kit is available for the BD $X$ *II* and includes the pump and accessories, everything needed for accurate and reliable sampling.

Part #801863-120 Starter Kit

## SPECIFICATIONS

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### General Specifications

Controls	Power Switch, Flow Control
Flow Indicator	Built-in rotameter, range 500-5000 cc/min, with 500 cc/div @ $\pm$ 20% Full Scale accuracy
Additional features	See-through external filter housing, with filter monitoring lens; built-in belt clip
Dimensions	3.6" (W) x 3.9" (H) x 2.0" (D) [90 mm (W) x 100 mm (H) x 51 mm (D)]
Weight	21 oz (595 g)

### Power Supply

Battery Pack	4.8 volt, 1.8 amp hour, sealed.
Battery Type	Rechargeable nickel-cadmium
Battery Charge Time	14 - 16 hours
Expected Battery Life*	300-500 charge-recharge cycles or 2.5 years (<20 hours weekly use) 1.5-2.5 years (20-39) hours weekly use) 1-1.5 years (40-60 hours weekly use)

*\*Inactivity for extended periods may shorten nickel-cadmium battery life.  
Battery life estimates are based on proper battery maintenance.*

## OPERATING SPECIFICATIONS

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Operating Range	500-3000 cc/min (0.5-3.0 LPM)
Flow Control	$\pm$ 5% of set point over an 8-hour period, when operating at 2.0 LPM.
Operating Duration (Full Charge)	10 hours at 2.0 LPM, with an inlet pressure of up to 20 inches of water at 21°C (70°F)
Operating Temperature	-20°C to 45°C (-4°F to 113°F)
Storage Temperature	-40°C to 45°C (-40°F to 113°F)
Charging Temperature	5°C to 45°C (41°F to 113°F)

# **SENSIDYNE**<sup>®</sup>

Sensidyne manufactures, supplies, and services gas detection systems and air sampling pumps that are characterized by their ease of use, accuracy, economical cost and durability.

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