



BIOTEST

Prod # 1610

APC1000 Airborne Particle Counter

The **APC1000** precisely measures the quantity of airborne particles ranging in size from 0.3, 0.5 and 1.0 to 5.0 microns at 0.1 cfm rate of flow. The APC-1000 records this data, as well as temperature and relative humidity readings. The instrument can be programmed to store data from 200 seconds to 66 days.

Features:

- Compact size and light-weight
- Simultaneous measurements of four sizes of particles
- Serial interface for printout of stored data
- Freely selectable measurement time

Applications:

- Indoor air quality assessments
- Industrial hygiene
- Clean-room diagnostics and trouble-shooting
- Periodic verification of air filters

Accessories:

- Standard
 - Biotest software
 - Download cable
 - Charger
 - Input adapter

Specifications:

Particle Counts:

Particle size ranges	: 0.3, 0.5, 1.0 and 5.0 microns
Signal-to-noise ratio	: >2:1 at 0.3 micron
Flow rate	: 0.1 cfm
Illumination source	: 50 mW, 780 nm laser diode
Dimensions	: 19.0 cm x 6.7 cm x 6.2 cm (7.6" x 2.7" x 2.5")
Weight	: 1.25 kg (2.5 lbs.)
Construction	: Durable plastic enclosure
Display	: LCD display
Power	: 6 V sealed lead-acid battery.
Sampling mode	: Single, Auto or Continuous
Sample time	: Up to 8 Hrs
Memory	: 200 sample points
Operating environment	: 0°C to 50°C (32°F to 122°F)
Temperature sensor	: 10°C to 50°C, 5% accuracy
Relative humidity	: 20 to 95% RH, 10% accuracy

