

APC

Airborne Particle Counter



The two-channel airborne particle counter from Biotest Diagnostics Corporation.

Features include...

- Two size ranges measured simultaneously—
0.5 and 5.0 μm
- User-defined count and hold times
- Three concentration modes—
total particles
particles/cubic foot
particles/liter
- Three sampling modes—
single, automatic or continuous
- Temperature and relative humidity continuously measured
- Windows® compatible download utility software included
- Meets JIS for counting efficiency

Count on Biotest



Biotest

Biotest Diagnostics Corporation

66 Ford Road, Denville, New Jersey 07834
Phone: 973.625.1300 • 800.522.0090 • Fax: 973.625.9454
www.BiotestUSA.com



Airborne Particle Counter

Specifications

Particle Counts

Simultaneous Particle Size Ranges	0.5, 5.0 microns
Flow Rate	0.1 cubic foot/minute \pm 10%
Illumination Source	Semiconductor Laser Diode for reliability
Coincidence Loss	<1.5% at 100,000 particles/cubic foot

Temperature & Humidity

Temperature Sensor	Platinum RTD
Temperature Accuracy	\pm 2°C, 10°C to 50°C
Relative Humidity Sensor	Capacitance type
RH Accuracy	\pm 10%, 20% to 90%, non-condensing

Controls

Display	Custom, six digit LCD display
Readout Format	Total particles, particles per cubic foot or particles per liter
Sampling Modes	Single, Automatic, & Continuous
Sample Time	Programmable from one second up to eight hours
Hold Time	Two seconds up to 24 hours
Memory	200 samples automatically stored in memory for later recall and download to a PC. All samples indicate the time and date when collected.

Remote Sampling Option	Remote sample probe and tubing are available
------------------------	--

General Information

Computer/Printer Interface	Serial RS-232C with 9600 baud rate
Software	DOS and Windows versions of the download software provided.
Power	Six volt sealed lead-acid battery. Recharge time: five hours. Up to eight hours of sampling, depending on duty cycle. For continuous use, an optional power supply is available.
Dimensions	7.7 x 3.8 x 2.6 inches (19.6 x 9.7 x 6.6 cm)
Weight	2.5 pounds (1.1 kg)
Operating Environment	Temperature: 50° to 105° F (10° to 40° C) Relative humidity: 0 to 90% (noncondensing)
Calibration	Includes Certificate of Calibration



Options

Facility Monitoring Software (FMS)	Software to control and/or monitor one or a network of particle counters.
Power Supply	To allow continuous operation of the particle counter.
Remote Sample Tubing	Up to five feet (1.5 m) for probing in remote locations.
Accessory Kit	Includes a thermal printer, purge filter, and benchtop stand.
Wall Mounting Bracket	Mounts to the wall to hold particle counter. Easy removal of counter.

Product # Description

942005	APC Airborne Particle Counter (includes APCWIN Utilities Software, cable, battery charger and protective carrying case)
942006	APC Stainless Steel housing
942018110	Airborne Particle Counter Accessory Kit Package (Thermal printer, Benchtop stand, purge filter assembly.)
942016	FMS Facility Monitoring Software
942020	Thermal Printer
942034	Purge Filter Assembly
942040	Remote Sampling Probe
942045	Tubing for Remote Sampling
942050	Benchtop Stand
942110	Printer Paper (5 rolls/package)
942155	Battery Charger 110v (220 & 240 also available)
942204	Continuous Power Supply
942980010	APC Hand-held Calibration Service
942899090	Wall Mounting Bracket



Biotest Diagnostics Corporation
66 Ford Road, Denville, New Jersey 07834
Phone: 973.625.1300 • 800.522.0090
Fax: 973.625.9454
www.BiotestUSA.com

