



Simplify QC testing with an industry standard

Model 8000A Eight-Channel Particle Counter

FEATURES

- User selectable industry standards and calculations
- Storage of four calibration curves
- Password protection
- “Quick-adjust” continually tests counter performance
- Programmable background subtraction
- Eight keyboard selectable channels for sizing flexibility
- Programmable dilution factor
- Data archival, retrieval, and analysis using CountSpec™ Software

APPLICATIONS

- Precision Cleaning Bath Monitoring
- Filter testing
- Online Process Monitoring
- Liquid *In Situ* Process Monitoring
- Chemical Distribution Monitoring
- Parenterals Testing



The HIAC Model 8000A incorporates state-of-the-art electronics to process and display real-time sample data. A unique double “super-twist” liquid crystal display presents the user with a brilliant image of particle size distribution data. The LCD allows the user to view the distribution in tabular format or graphically in histogram format. Parameters of the analysis, alarm conditions and standards protocol are presented in crisp text against a contrast-adjustable backlit screen.

Extensive firmware allows analytical features such as dilution factor, background subtraction and a wide range of contamination standards to reside in upgradeable EPROMS. With a single keyboard entry, the user can select: USP <788>, to test small volume parenterals; MIL-STD-1246A, to specify product cleanliness levels; NAS 1638, to determine the cleanliness of components used in hydraulic systems; ISO codes to define the quantity of solid particles in hydraulic fluid power systems; or ASTM-F658, to calibrate liquid-borne particle counters. The user may also define a standard which better describes his or her application.

The Model 8000A is completely menu driven, providing keyboard entry for calibration/voltage settings. Sample ID and operator name can be entered alphanumerically. The alarm limits, selection of standards, sample volume, number of runs, sample time and delay time are all user selectable. Hardcopy printout is provided through an internal 40 column thermal printer. Password protection assures parameter consistency. When the system power is off, all programs are preserved in a battery-powered backup.



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SPECIFICATIONS

Operating Environment	44 to 125°F (7 to 52°C) 30 to 95% relative humidity, non-condensing
Power Voltage	100, 110-120 or 220-240 VAC 50/60 Hz ± 1%
Frequency	47 to 440 Hz ± 1%
Dimensions	16" wide x 12" deep x 6.5" high (41 x 31 x 17 cm)
Weight	12 lbs (5 kg)
Accessories Included	Counter Thermal printer paper Cables and power cord Manual

ORDERING GUIDE

When ordering, specify:	
Power (AC)	100, 110-120 VAC or 220-240 VAC

OPTIONAL ACCESSORIES

Particle Vision® Online Software
CountSpec™ Software
RS485 Communications Cable (Linear Foot)
RS232/RS485 Converter



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