



Industry standard for laboratory analysis

Model 8011 Lab Liquid Particle Counting System

FEATURES

- Exceeds ISO 11171 standards
- 0.5-400 micron application range
- Supports ISO 4406, NAS 1638 and user-defined standards
- Built-in menu-driven calibration for ISO 11171, ACFTD, MTD, PSL
- Sampling time < 1 minute
- Count repeatability better than 5%
- No computer required

APPLICATIONS

- Fluid Analysis Laboratories
- Hydraulic Equipment and Maintenance Qualification
- System Cleanliness Certification
- Component Cleanliness Certification
- Hydraulic Component Wear Testing



The HIAC Model 8011 liquid particle counting system provides immediate particle concentration data for low and high viscosity fluids. Composed of a light blocking or dual mode sensor, the Model 8011 system pressurizes fluid in an ABS-2 (Automatic Bottle Sampler) for precise volumetric sampling of industrial fluids.

A wide range of fluids may be routinely sampled from equipment, parts, and processes, such as parts cleaning, for changes in contamination levels. Thus, corrective action may be initiated sooner to extend machine life and improve overall operating costs of key equipment: proactive maintenance that saves downtime and money!

The HIAC Model 8011 system supports many industry standards, including ISO 4406, NAS 1638, and the ISO 11171 standard. The 8000A Counter also offers many features that allow multiple users to view and respond to changes in the condition of equipment.

The HIAC Model 8011 system provides fast, accurate, and reliable results for particle contamination analysis. Combine the Model 8011 system with software options for a more complete contamination monitoring, analysis, and reporting system.



Model 8011 Lab Liquid Particle Counting System

SPECIFICATIONS

8000A COUNTER

Data Input/Output	Printer, LCD display, RS232C
Operating Environment	45 to 126°F (7 to 52°C) 30 to 95% relative humidity, non-condensing
Power	115 VAC ± 10%, 60 Hz ± 1% 230 VAC ± 10%, 50 Hz ± 1%
Dimensions	16" w x 12" d x 6.5" h (41 x 31 x 17 cm)
Weight	11 lbs (5 kg)

ABS-2 SAMPLER

Volume Tube	10 mL to 120 mL in 5 mL increments
Sample Chamber	Bottle 3" (7.6 cm) maximum outside diameter 8" (20.3 cm) maximum height
Pressure Range	0 to 60 psi (0 to 4 Bar)
Tare (Dead) Volume	16 mL
Wetted Surfaces	316 stainless steel, Teflon
Elastomeric Wetted Seals	Viton (standard), Buna N, EPR
Dimensions	12.75" w x 18" d x 27" h (32.4 x 45.7 x 68.6 cm)
Weight	44 lbs (20 kg)
Accessories Included	Pressure/Vacuum Pump; Complete Accessory Kit (Power Cords, Printer Paper, Fuses, etc.); Operator's Manual

SENSOR

A wide range of sensors and sensitivities are available. Please refer to the sensor data sheet.

OPTIONAL ACCESSORIES

Phosphate Ester-based Fluid Compatibility
Corrosive Fluid Compatibility
Standard Bottles
Calibration Kits - ISO MTD, ISO 11171, ACFTD
CountSpec™ Software

