

# HIAC 8011 Liquid Particle Counting System

## Features

- Exceeds ISO 11171 standards; supports ISO 4406, NAS 1638 and user-defined standards
- 0.5-600 micron application range
- 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

## Industry standard for laboratory analysis

A wide range of fluids may be routinely sampled for changes in contamination levels from equipment or parts-cleaning baths. Corrective action may be initiated sooner to extend machine life and improve overall operating costs of key equipment.

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

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



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



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## Specifications

### 8000A COUNTER

<i>Data Input/Output</i>	Printer, LCD display, RS-232C
<i>Operating Environment</i>	7 to 52°C (45 to 126°F) 30 to 95% relative humidity, non-condensing
<i>Power</i>	90 to 132 VAC ± 10%, 47 to 63 Hz 180 to 264 VAC ± 10%, 47 to 63 Hz
<i>Dimensions</i>	41 W x 31 D x 17 H cm (16" x 12" x 6.5")
<i>Weight</i>	5 kg (11 lbs)

### ABS-2 SAMPLER

<i>Volume Tube</i>	10 mL to 120 mL in 5 mL increments
<i>Sample Chamber</i>	Maximum Bottle Dimensions 7.6 cm (3") outside diameter 20.3 cm (8") height
<i>Pressure Range</i>	0 to 60 psi (0 to 4 Bar)
<i>Tare (Dead) Volume</i>	16 mL
<i>Wetted Surfaces</i>	316 stainless steel, Teflon
<i>Elastomeric Wetted Seals</i>	Viton (standard), Buna N, EPR
<i>Dimensions</i>	32.4 W x 45.7 D x 68.6 H cm (12.75" x 18" x 27")
<i>Weight</i>	20 kg (44 lbs)
<i>Accessories Included</i>	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.

<i>Optional Accessories</i>	Phosphate Ester-based Fluid Compatibility Standard Bottles Calibration Kits – ISO MTD, ISO 11171, ACFTD CountSpec™ Software
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