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HIAC 8011 Liquid Particle Counting System



Features

- Exceeds ISO 11171 standards; supports ISO 4406,
- NAS 1638 and user-defined standards
- 0.5-400 micron application range
- Built-in menu-driven calibration for ISO 11171, ACFTD, MTD, PSL
- Sampling time < I 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 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.

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.

Specifications

8000A COUNTER

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

ABS-2 SAMPLER

Volume Tube	10 mL to 120 mL in 5 mL increments	
Sample Chamber	Maximum Bottle Dimensions	7.6 cm (3”) outside diameter
		20.3 cm (8”) 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	32.4 W x 45.7 D x 68.6 H cm (12.75” x 18” x 27”)	
Weight	20 kg (44 lbs)	
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
Standard Bottles
Calibration Kits – ISO MTD, ISO 11171, ACFTD
CountSpec™ Software

CE

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