

Specifications

9703+ Sampler

Temperature Range 5 to 40°C (40 to 104°F)

0 to 80% relative humidity, non-condensing

5 to 40°C (40 to 104°F) Temperature Range of Sample

Viscosity Limit <50 cP

Power Requirement 100/230 VAC, 50/60 Hz

Maximum Power 67 W at 115/230 VAC

343 W X 337 D X 482 H mm (13.5 X 13.3 X 19.0 inches)

10.7 kg (23.6 lbs)

Sample Bottle Clearance 153 mm (6.02 inches)

Volume Accuracy > 95%

Flow Rate Accuracy > 95%

Sample Flow Rate 10 to 100 ml/min; Actual flow rate for the system

is determined by the sensor's flow rate with step-by-step instructions and Pass/Fail results.

Tare Volumes for Probes 0.091 ml for 81 L X 1.2 ID mm (3.2 X 0.047 inches) 0.172 ml for 154 L X 1.2 ID mm (6.1 X 0.047 inches)

1.57 ml for 140 L X 6.35 ID mm (5.5 X 0.25 inches) - large bore

PharmSpec 3 Software

Pentium® 1.0 GHz Processor

Windows® XP with Service Pack 3 or later Operating System Windows Vista® with Service Pack 2 or later

Windows 7 platforms

512 MB of RAM

2 GB of available hard-disk space

CD drive, DVD drive, USB port or network connection

is required for installation

Super VGA video adapter and monitor,

1024 x 768 or higher resolution Uninterrupted power supply (UPS)

> Removable drive for backing up data, such as a recordable CD or a network server that can back up the computer hard drive

Color printer capable of printing at 300 dpi

COM Port USB port to connect to the particle counting sensor Software Internet Explorer 6.0 or higher and Microsoft® Excel®, Word®

or Adobe® Acrobat® (to access PharmSpec reports)

Typical System Configurations - other options available

Part Number Description 2089105-01 9703+ Sampler HRLD-150 Sensor 2089250-150 PharmSpec 3 Software Validation Documents - English (other languages available)

2089007-025 25 ml Calibration Flow Rate (other flow rates available)

Standard Sensors Range

HRLD-150 1.3 µm to 150 µm

1.3 µm to 150 µm (chemical compatibility) HRLD-400 2 μm to 400 μm

HRLD-600JS 2 µm to 600 µm (chemical compatibility)

In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.

At Hach, it's about learning from our customers and providing the right answers.

Keep it pure.

Make it simple.

Be right.

For current price information, technical support, and ordering assistance, contact the Hach office or distributor serving your area.

In the United States, contact:

Fax: 970-461-3914

www.hach.com/hiac

U.S. exporters and customers in Canada, Latin America, sub-Saharan Africa, Asia, and Australia/ New Zealand, contact:

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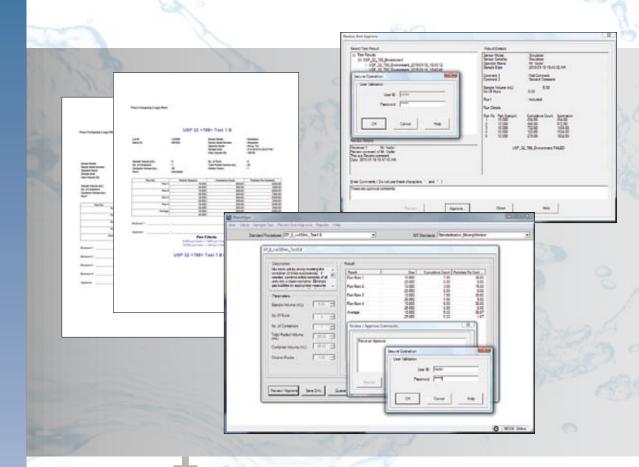
HIAC 9703+ Liquid Particle Counting System

Easily configurable for maximum flexibility





HIAC just got easier!



PharmSpec

Customized test routines and reporting

- Customized particle size, sample volume and run test recipes for your unique application needs
- User configurable reports

Added flexibility to configure security access

- Allows administration to define multi-level security access
- Meets requirements for
 21 CFR Part 11 compliance

Save time utilizing pre-configured compendial test recipes

Eliminate manual calculations – Pass/Fail limits

Injectable Drugs

- USP <788>
- EP <2.9.19>
- JP <11>, <24>
- KP <52>

Ophthalmic

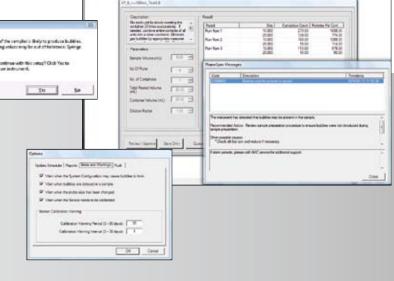
• USP <789>

Inhalants

• USP<788>/Levalbuterol Inhalation

Eliminate uncertainty from data anomalies

- Alarm notification when bubbles may have impacted particle counting results
- Operator alerted if the sensors have been contaminated
- Advanced notification when routine service or calibration is needed
- Operator notification when regulatory updates become available
- All alarms provide recommended actions



Eliminate anxiety of data loss

- Data loss recovery feature protects test data in the event of a power interruption or loss
- PharmSpec allows the operator to schedule data base back up to a secure network location

MONO MONO

Use less sample, save valuable time – protect your investment

- Industry's smallest tare volume
- Small vial clamp ensures that your sample does not spill during testing

Enjoy more walk away time

 Automated flushing and cleaning routines



Manage all of your application needs

Designed to handle the full range from very small (1 ml) to very large (>1000 ml) volumes

- Small volume injectable (SVI)
- Large volume injectable (LVI)
- Research and Development
- Troubleshooting
- Stability testing

Easily configurable for maximum flexibility

- Interchangeable sensors from 0.5 μm to 600 μm
- Interchangeable sampling probes
- Interchangeable syringes based on sampling size
- Configurable flow rates from 10 ml/min to 100 ml/min



Turn-key validation and after sale service

Comprehensive local and on-site HIAC service programs with multiple field service offices and authorized distributors are available throughout the world

Avoid costly down time

- On-site service significantly reduces down time
 no shipping of your unit required
- Notification with a phone call when your unit is in need of routine service

Instrument Validation Services

- SOP assistance and IQ/OQ validation services
- Utilize our expertise to get your system out-of-the-box and ready-to-use
- Ensure the accuracy of your instrument with documented validation and ISO 21501-3 compliant calibrations

