



## Particle counter for point-of-use applications

### Model 2000 Liquid Particle Counter

#### FEATURES

- Ideal for process control
- Two or four channels
- Small footprint
- Local display
- RS232 or RS422 (ASCII)
- 4-20 mA for direct connection to in-house networks or SCADA
- NEMA enclosure available
- Compatible with Particle Vision<sup>®</sup> Online, AccuCount<sup>™</sup>, CountSpec<sup>™</sup>, or Logger<sup>™</sup> data acquisition software

#### APPLICATIONS

- Online Liquid Chemicals Monitoring
- Chemical Qualification



The HIAC Model 2000 provides an accurate yet inexpensive means to transfer particle data from sensor to host computer system. Up to four channels of particle size information are available. The instrument is constructed of corrosion-resistant anodized aluminum for placement in non-laboratory environments. A liquid crystal display allows the operator to view the data at the analysis site for real-time observation and decision making.

The Model 2000 is ideal for point of use and online applications. Its small profile does not waste valuable facility space. The Model 2000 interfaces to all HIAC liquid sensors including the MicroCount<sup>™</sup> submicron and HRLD laser sensors.

Applications include point-of-use monitoring for corrosive chemical delivery systems, DI water lines, wet process tools, hydraulic oil systems and parts cleaning stations.

The Model 2000 interfaces to a host computer using Logger<sup>™</sup> or CountSpec<sup>™</sup> data acquisition software or to data management systems such as Particle Vision<sup>®</sup> Online.

The Model 2000 is easily interfaced to other data management packages such as SCADA systems. Complete compatibility is assured by digital data transmissions in either ASCII (RS232/RS422) format or 4-20 mA analog transmission. The Model 2000 allows the user to maximize particle size information for process optimization.



# Model 2000 Liquid Particle Counter

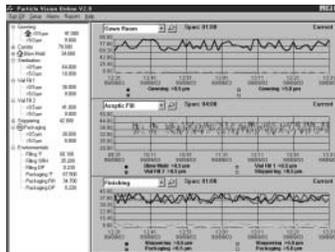
## SPECIFICATIONS

Standard 4 Channels, $\mu\text{m}$	MicroCount-100/100S	0.1, 0.2, 0.3, 0.5
	MicroCount-200/200S	0.2, 0.3, 0.5, 1.0
	HRLD	User specified
Sensors	(Consult factory for other sensors)	
Data Input/Output	RS232 or RS422, 4-20 mA optional	
Operating Environment	50 to 104°F (10 to 40°C)	
Power Voltage	100, 110-120 or 220-240 VAC	
	50/60 Hz $\pm$ 1%	
Dimensions	10.6" w x 7" d x 3.6" h (26.9 x 17.8 x 9.1 cm)	
Weight	6.6 lbs (2.99 kg)	

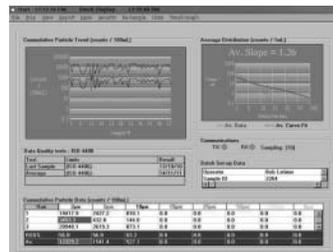
## OPTIONAL ACCESSORIES

Optional 4 Channels, $\mu\text{m}$	User specified
Software	Particle Vision® Online, CountSpec™, Logger™, AccuCount™
	For other data management systems, communication with the Model 2000 can be easily established using simple ASCII commands provided in the instrument manual.
	4-20 mA optional output is also available.

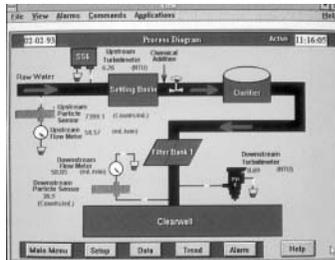
## SAMPLE SCREENS



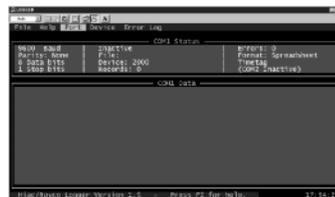
Particle Vision® Online Software



CountSpec™ Software



AccuCount™ Software



Logger™ Software



ISO 9001:2000



Cert. No. FM 56449

AMERICAS • 481 California Avenue, Grants Pass, Oregon 97526 USA, Toll Free: 1 800 866 7889, Tel: 1 541 472 6500, Fax: 1 541 479 3057  
 EUROPE / ASIA • 6, route de Compois, C.P. 212, CH-1222 Vésenaz, Geneva, Switzerland, Tel: 41 22 855 91 00, Fax: 41 22 855 91 99  
 WEB SITES • www.hachultra.com • www.anatel.com • www.orbisphere.com • www.particle.com