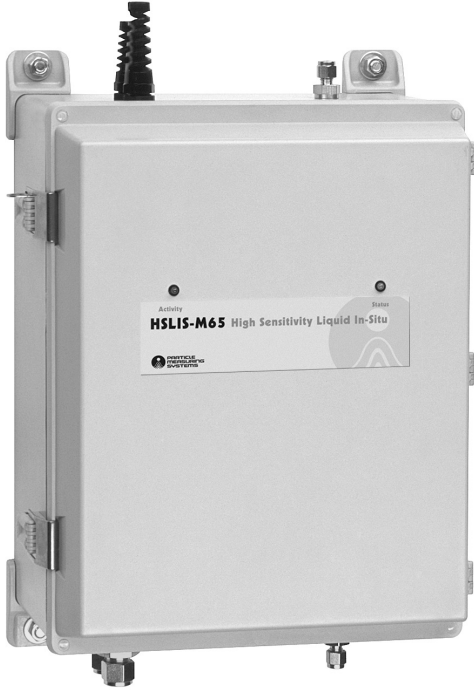


HSLIS M65 ANSI/ISA-Compatible

Liquid Particle Counter



HSLIS M65 ANSI/ISA-compatible particle counters allow continuous, real-time monitoring of fluid particle contamination levels in Class I, Div 2 environments.

Easily integrates into Facility Net software (or existing SCADA system) to provide an economical way to monitor multiple flow systems.

BENEFITS

Cost-Effective

- Packaged for easy installation into Class I, Div II environments
- Particle measurements for solvents, chemicals, and DI water
- Simplify data analysis by using the same sensor throughout all of your fabs
- Low initial capital investment because packaging has already been completed
- Sealed package protects sensor from accidental chemical spills

Use with Facility Net Software

- Ethernet communication
- Data time plots for simplified data interpretation
- Alphanumeric paging and emailing functions to alert operators to out-of-tolerance conditions

FEATURES

- 0.065 μm sizing sensitivity
- Ethernet communication
- 4-20 mA outputs
- Sealed enclosure

APPLICATIONS

- Packaged for easy installation into Class I, Div 2 environments
- Qualify particle concentrations in flammable solvents
- Monitor chemical delivery systems
- In-line measurements in recirculating baths
- Quality assurance
- Continuous monitoring for process improvement



HSLIS M65 ANSI/ISA-Compatible

Liquid Particle Counter

specifications

Size range	0.065 – 0.2 μm	
Channels	4	
Channel sizes	0.065, 0.1, 0.15, 0.2 μm	
Optimum flow rate	100 \pm 10% ml/min	
Sample volume	0.6 ml/min	
Counting efficiency	100% of the sample volume	
Maximum concentration*	10,000 counts/ml	
Sample temperature	302 °F (150 °C)	
Zero count level	< 2,000 counts/l	
Wetted surface materials	Teflon®, Kel-F®, Sapphire, and Kalraz® 4079	
Dimensions (l, w, h)	Fiberglass: 19 x 13 x 9 in (48 x 33 x 23 cm)	Stainless Steel: 18 x 16 x 9 in (46 x 41 x 23 cm)
Weight	Fiberglass: 22 lb (10 kg)	Stainless Steel: 31 lb (14.1 kg)
Power	90 – 264 VAC, 50 – 60 Hz, 1.0 Amp max.	
Calibration	Calibration materials used are traceable to the US NIST (National Institute of Standards and Technology)	
Environment	Temperature: 50 – 95 °F (10 – 35°C); Humidity: non-condensing	
Communications	Ethernet: includes five 4-20 mA outputs, four particle channels, one instrument status. One RS-232 input for set-up and diagnostics only.	

* Greater than 90% accuracy (less than 10% coincidence loss) at maximum recommended concentration.

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Particle Measuring Systems, Inc. reserves the right to change specifications without notice.



Particle Measuring Systems Headquarters
5475 Airport Blvd., Boulder, CO 80301, USA
Tel: +1 303 443-7100 +1 800 238-1801

FAX: +1 303 449-6870

Instrument Service & Support: +1 800-557-6363

Customer Response Center: +1 877-475-3317

PMS EMEA
Tel: +44 1684 581 000
Email: PMSEMEA@pmeasuring.com

Particle Measuring Systems France
Tel: +33 160 10 32 96
Email: PMSFrance@pmeasuring.com

Particle Measuring Systems Germany
Tel: +49 2222 9299 522
Email: PMSGermany@pmeasuring.com

Particle Measuring Systems Italia
Tel: +39 06 9053 0130
Email: PMSRL@pmeasuring.com

Particle Measuring Systems Nordic
Tel: +45 707 028 55
Email: PMSNordic@pmeasuring.com

Particle Measuring Systems China
Tel: +86 21 6113 3600
Email: pmschina@pmeasuring.com

Particle Measuring Systems Japan
Tel: +81 3 5298 8175
Email: PMSJapan@pmeasuring.com

Particle Measuring Systems Singapore
Tel: +65 6496 0330
Email: PMSSingapore@pmeasuring.com

AUTHORIZED REPRESENTATIVE

Particle Measuring Systems Brazil
Tel: +55 11 5188 8166
Email: PMSBrazil@pmeasuring.com

Particle Measuring Systems Mexico
Tel: +52 55 2271 5106
Email: PMSMexico@pmeasuring.com

Particle Measuring Systems Puerto Rico
Tel: +1 787 718 9096
Email: PMSPuertoRico@pmeasuring.com