LIGHTHOUSE
WORLDWIDE SOLUTIONS

NanoCount 50

Liquid Particle Counter

The ***NanoCount 50*** is the smallest 50 nanometer liquid particle counter on the market. Based on state-of-the-art technology and built by Lighthouse, it is backed by a two-year warranty and international support.

The ***NanoCount 50*** uses the industry standard RS-485 MODBUS communication protocol so integration into facility monitoring systems or use as a stand-alone device are quick and easy.

Available options can provide the ***NanoCount 50*** with Ethernet TCP/IP connectivity to standard corporate LANs and wireless networks, adding to its flexibility of installation.

The ***NanoCount 50***'s compact size allows it to be installed where other liquid particle counters won't fit, including point-of-use process control applications.

Incorporating the latest in laser optical particle counting technology and designed for reliability, the ***NanoCount 50*** is intended for continuous trouble-free operation.

Designed and built by
Lighthouse - a name you can trust.

Lighthouse is an ISO 9001:2000 Registered Company

www.golighthouse.com

Features:

- ★ Channel Sizes - 50nm, 100nm, 150nm, 200nm
- ★ Four Channels of Simultaneous Count Data
- ★ 100 ml per Minute Flow Rate
- ★ Interfaces with Existing Building Automation and Factory Management Systems
- ★ 316L Stainless Steel Construction
- ★ Industry Standard RS-485 / MODBUS
- ★ NEMA Enclosure
- ★ Integrated Manual Flow Control

Benefits:

- ★ 2 Year Warranty
- ★ Cost Effective Price per Point
- ★ Easy System Integration
- ★ International Sales and Service Support
- ★ Low Cost of Ownership

Applications:

- ★ Deionized Water Monitoring
- ★ Process Qualification and Monitoring

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Specifications:

Size Range:	50 - 200nm
Channel Sizes:	Standard: 50nm, 100nm, 150nm, 200nm
Laser Source:	Laser Diode
Flow Rate:	100ml/min
Calibration:	NIST Traceable
Communication Modes:	RS-232 via RJ45 to PC, RS-485
LED Indicators	Power, Service, Sampling
Concentration Limit:	200,000 counts/ml @ 5% Coincidence Error
Enclosure:	Stainless Steel
Sample Inlet/Outlet Connection:	1/4" Flaretek™
Sample Temperature:	32 - 302°F (0 – 150°C)
Sample Pressure:	150 PSI
Wetted Surface Materials:	Quartz, PTFE, PFA, Polycarbonate, Viton
Communication Protocol:	RS-485 MODBUS
Power:	24VDC
Dimensions:	9.00" (w) x 6.00" (h) x 9.00" (d) [22.86 x 15.24 x 22.86 cm]
Weight:	8 lbs (3.7 kg)

Environmental Conditions:

Operating:	50°F to 104°F (10°C to 40°C) / 20% to 95% non-condensing
Storage:	14°F to 122°F (-10°C to 50°C) / Up to 98% non-condensing

Accessories:

Included:	Operating Manual on CD, Connection Tubing
Optional:	Printed Operating Manual; Tubing

Manufactured by:

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Distributed by:

Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

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