



**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](http://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



## Specifications:

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

## Environmental Conditions:

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

## Accessories:

<b>Included:</b>	Operating Manual on CD, Connection Tubing
<b>Optional:</b>	Printed Operating Manual; Tubing

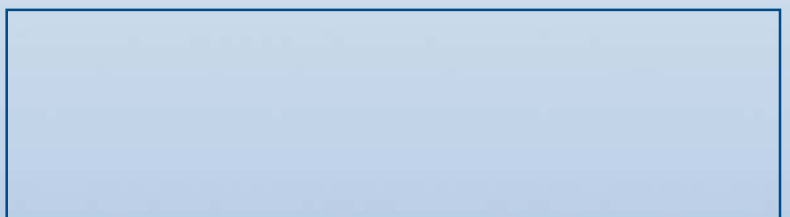
### Manufactured by:



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### Distributed by:



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

LWS PN 545401636-1 Rev 3