LIGHTHOUSE
WORLDWIDE SOLUTIONS
Technology That Counts!

NanoCount 30+

Liquid Particle Counter

The ***NanoCount 30+*** is the world's first 30 nanometer liquid particle counter. Based on our new state-of-the-art technology and built by Lighthouse, it is backed by international support.

The ***NanoCount 30+*** includes a built-in color display for viewing real time data and uses the industry standard MODBUS communication protocol. Integration into facility monitoring systems or use as a stand-alone device is quick and easy.

By incorporating Solid State Laser particle counting technology and designing for reliability, the ***NanoCount 30+*** is intended for continuous trouble-free operation.

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

Lighthouse is an ISO 9001:2008 Registered Company

www.golighthouse.com

Features:

★ 30nm Detection Limit
★ Channel Sizes - 30nm, 50nm, 80nm, 100nm
★ Four Channels of Simultaneous Count Data
★ 80 mL per Minute Flow Rate
★ Built-in Color Touch Screen Display
★ <20 counts/Liter Zero Count Rate
★ Interfaces with Existing Building Automation and Factory Management Systems
★ Stainless Steel Construction
★ Ethernet, RS-485 / MODBUS and four 4-20mA Analog Outputs
★ Integrated Manual Flow Control
★ USB Flash Data Download

Benefits:

★ Greater Statistical Process Control
★ Easy System Integration
★ International Sales and Service Support
★ 30nm sensitivity:
  a. identifies water system issues that are otherwise "invisible" to 50nm-only counters;
  b. eliminates noise or cosmic ray interference;
  c. provides the visibility required for today's leading edge processes.

Applications:

★ Deionized Water Monitoring
★ Process Qualification and Monitoring
★ Filter Efficiency Particle Measurements

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Specifications:

Size Range:	30 - 100nm
Channel Sizes:	Standard: 30nm, 50nm, 80nm, 100nm
Flow Rate:	80 mL/min
Zero Count Level:	< 20 counts/Liter
Laser Source:	Solid State Laser
Calibration:	NIST Traceable
Communication Modes:	Ethernet MODBUS TCP/IP, RS-232 via RJ45 to PC, RS-485 MODBUS
Display	TFT Color Touch Screen
Concentration Limit:	1,000,000 counts/ml @ 5% Coincidence Error
Enclosure:	Stainless Steel
Sample Inlet/Outlet Connection:	1/4" Flaretek™
Sample Temperature:	50 to 95°F (10 to 35°C)
Sample Pressure:	75 PSI
Wetted Surface Materials:	Quartz, PFA, Kel-F, Kalrez, Ryton, Epoxy, Glass, Sapphire and SS316L
Communication Protocol:	Ethernet, RS-485 MODBUS, four 4-20mA Analog Outputs
Power:	100-240 VAC
Dimensions:	15.0" (w) x 12.0" (h) x 25" (d) [31.1 x 30.48 x 63.5 cm]
Weight:	71 lbs (32.2 kg)

Environmental Conditions:

Operating:	50°F to 95°F (10°C to 35°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; 10' Sample Tubing; Flow Cell Cleaning Solution and Brush; Cable; USB to RS485 Serial Adapter; LMS Express software
Optional:	Printed Operating Manual; Tubing

Manufactured by:

LIGHTHOUSE
WORLDWIDE SOLUTIONS

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MADE IN U. S. A.

Distributed by:

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

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