

# WPCS-EX-II LASER PARTICLE COUNTER

## Performance Specifications

<b>8 Channels</b>	Standard micron range: 2, 3, 5, 7, 10, 15, 20, and 25. Min: 2 Micron, Max 400 Micron. Other ranges available.
<b>Flow Rate</b>	Standard 60ml/min
<b>Light Source</b>	5mW Output Red Laser Diode
<b>Calibration</b>	Traceable PSL beads
<b>Particle Resolution</b>	Better than 8% at 10 Micron, better than 10% at 2-10 Micron
<b>Signal to Noise Ratio</b>	Better than 3:1 (example 45mV signal : 15 mV noise)
<b>Concentration Limit</b>	18,000 particles/ml
<b>Sample Time</b>	Standard 60 second, user adjustable
<b>Data Storage</b>	300 Sample Strings Stored in Memory
<b>Status Indicators</b>	Count Status, Data Mode, Memory Full, Channel Selection, Alarm, Sample Delay
<b>Input</b>	Standard input of 4-20 mA
<b>Data Recorded</b>	Short Format: Address, Date, Time, Micron Size, Cumulative Counts, Counts per mL, Sample Volume, Alarm Channel, Alarm Limit, Pass/Fail, Flow Indicator. Network Format: Address, Date, Time, Cumulative Counts, Sensor Pass/Fail, Flow Rate, XDUC1, XDUC2, Count Time.
<b>Local Display</b>	½" High LED Particle Count Display, ¼" High LED Status Display: Total Particle Counts, Counts/ml, Micron Size, Flow Rate, Transducer Input, Sample ID, Alarm Setting, Sample Delay
<b>Alarm</b>	Count Limit, Sensor Fail, Memory Loss
<b>Count Modes</b>	Cumulative: Counts/ml or Total Counts
<b>Delay Time</b>	Min 1 second, Max 100 min
<b>Inlet/Outlet Fitting</b>	¼" Stainless Steel Compression Nut
<b>Interface</b>	RS232 or RS485(4wire) via Universal Terminal Block
<b>Enclosure</b>	Hoffman Fiberglass NEMA
<b>Dimensions</b>	10.5" Wide x 9" High x 7" Deep Overall Width Needed: 14" Overall Height Needed (for flow control weir) 48"
<b>Weight</b>	8 lbs
<b>Environmental</b>	Operating: 32F – 122F, 0C – 50C Storage: -40F – 150F, -40C – 65C 18 – 80 RH (Non-Condensing)
<b>Power</b>	Line Power to DC Conversion Input: 100-240VAC 50-60Hz Output: 12VDC Regulated, 0.84Amp
<b>Optional Accessories</b>	4-20mA Output Board (2 Outputs per Board) Modbus Board (RS485 2Wire or 4Wire) 1.3 Micron Sensor 1.0 Micron Sensor Intellitest Software