

# CI-3100-RS

## Monitoring Particle Counter CLIMET External Pump

The **CI-3100 RS** (Remote Sensor) Series is a 2-channel particle counter used in continuous monitoring applications in a variety of industries – generally Grade A or B (ISO 5) clean zones.

The **CI-3100 RS** requires both an external vacuum pump and DC power. Users have a choice of standard data interface options including RS-485 Modbus, or 4-20 mA outputs.

Alternatively, our **CI-3100 OPT** and **CI-3100 Trident** versions contain an internal power supply and vacuum pump eliminating the need of an external air source and vacuum tubing.

Standard particle sizes are 0.5 µm and 5.0 µm, but custom sizes are also available. Designed for fixed continuous monitoring deployment, the **CI-3100 RS** offers a standard flow rate of 1 CFM, and some models are offered in an alternatively lower 0.1 CFM flow rate.

On/Off functionality is remotely controlled, and additionally, the **CI-3100 RS** is **VHP compatible** ensuring easy cleaning and sanitation.

### SPECIFICATIONS

<b>Flow Rate Control:</b>	Critical orifice @ 1.0 cfm
<b>External Vacuum:</b>	15" Hg minimum
<b>Particle Channel Sizes:</b>	2 channels 0.5/5 µm
<b>Laser Diode:</b>	Optimal balance of long life, stability, and resolution for added accuracy
<b>Electrical:</b>	Power and signal through DIN connector
<b>Cleaning:</b>	Compatible with common cleaning and sterilization procedures, including VHP
<b>Leds Status Indicators:</b>	Power, Count, Laser Status, and Flow Status (Alarm LED only on 4-24 mA models)
<b>Environmental:</b>	Operating temperature: 0-36°C, 32-97°F Dimensions: 11.4 x 10.2 x 5.1 cm 0-90 % relative humidity Non-condensing 4.0" (W) on RS-485 version
<b>Compliance:</b>	ISO 21501-4; ISO 14644-1; EU GMP; Annex 1; and FDA 21 CFR Part 11



Accessories Available: Mounting brackets, stainless steel isokinetic probes, light blocking isokinetic probes, tubing, probe stands, customized cabling, zero count filters, and other accessories sold separately.