

CI-3100 SRS VERSION TRIDENT

Monitoring Particle Counter CLIMET

External Pump

The Trident RS particle counter is a 2-channel particle counter used in continuous monitoring applications in a variety of industries – generally Grade A or B (ISO 5) biopharmaceutical or medical device clean zones. The standard particle sizes are 0.5 µm and 5.0 µm. Designed for fixed continuous monitoring applications with an external vacuum pump, the CI-3100 Trident RS offers a standard flow rate of 1 CFM.

The Trident RS Series is provided with your choice of Power-over-Ethernet (POE) or 24 VDC power. The CI-3100 Trident RS is compatible with either POE or POE+. This technology injects power and ground onto standard network cabling, thus eliminating the need for wall power. POE is a much sought after technology given safety protocols of some of the larger pharmaceutical and biotechnology producers. Sample data is provided end-users with a choice of either Ethernet Modbus, or Push to FTP CSV file upload; and the Trident model connects to existing network infrastructure. The sample data output is 21 CFR Part 11 compliant, and can be easily uploaded into standard environmental monitoring systems including LIMS software.

SPECIFICATIONS

Flow Rate Control:	Critical orifice @ 1.0 cfm
External Vacuum:	15" Hg minimum
Particle Channel Sizes:	2 channels 0.5/5 µm
Laser Diode:	Optimal balance of long life, stability, and resolution for added accuracy
Cleaning:	Compatible with common cleaning and sterilization procedures, including VHP
RH/Temp output:	Compatible with RH/Temp probe
Alarms:	Front Panel LEDs, Light Ring, and output for the Climet Trident Light
Leds Status Indicators:	Power, Sample, Alarm, Count, Laser Status, Flow Status, Network FTP, Network Time, Service required and Network Link
Environmental:	Operating temperature: 0-37.8°C, 32-100°F, Dimensions: 16.26 x 10.6 x 14.99 cm, 0-95% relative humidity, non-condensing
Compliance:	ISO 21501-4; ISO 14644-1; EU GMP, Annex 1; and FDA 21 CFR Part 11



Accessories included: manuel, USB cable, mounting bracket and quick start guide.

Other accessories available: stainless steel isokinetic probes, tubing, probe stands, software, customized cabling, power injector, zero count filters and other accessories sold separately.

