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CI-3100-OPT VERSION TRIDENT
Monitoring Particle Counter CLIMET
Internal Pump

The **Trident** 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) clean zones. Standard particle sizes are 0.5 µm and 5.0 µm.

The **CI-3100** has a self-contained power supply and vacuum pump that eliminates the need for an external vacuum source and plumbing, which can be extremely expensive in new installations. Designed for fixed continuous monitoring deployment, the **CI-3100** offers a standard flow rate of 1 CFM. Other flow rates may also be available.

In yet another industry first, the Trident Series is the first particle counter with a built-in vacuum pump that operates with Power-over-Ethernet (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. Alternative configurations also include Wi-Fi with wall power, or standard Ethernet TCP/IP with wall power.

. PoE, Wifi, A/C configuration available
. Luminous Ring for visible alerts

SPECIFICATIONS

Flow Rate Control:	Electronic, automatic closed loop
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
Vaccum Source:	Power efficient internal vacuum source (OPT models only)
RH/Temp output:	6-pin connector (compatible with Climet RH/Temp probe)
Memory:	10.080 samples (7 days of storage), date and time stamped
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: 15.56 x 10.16 x 28.26 cm, 0-100% relative humidity, non-condensing
Compliance:	ISO 21501-4; ISO 14644-1; EU GMP, Annex 1; and FDA 21 CFR Part 11

Accessories included: zero count filter, product manuel, and external exhaust fitting (on select model)

Other available accessories: stainless steel isokinetic probes, tubing, probe stands, high pressure diffusers, software, customized cabling and other accessories sol separately