

# Reliable. Confident. Environmental Monitoring.

Pharmaceuticals | Life Sciences

Global Good Manufacturing Practices

 Annex 1 (EU, PIC/S, WHO): Manufacture of Sterile Medicinal Products

 FDA Guidance for Industry - Sterile Drug Products Produced by Aseptic Processing ISO 14644-1:2015, 14644-2:2015 & 21501-4:2018



# Reliable. Confident. Environmental Monitoring.

# **Airborne Particle Counters**

#### **Confident Results Matter**

- Models for every pharmaceutical environment and application
- ALCOA+ data integrity principles for no-hassle 21 CFR Part 11 compliance
- · Leading the way in real-time viable particle detection

## **BioTrak® Real-Time Viable Particle Counter**

- The Future of Viable Monitoring Reduce or eliminate interventions in Grade A
- Achieve truly continuous viable monitoring
- Accelerate investigations with real-time data

#### AeroTrak<sup>®</sup>+ Remote 2 **Particle Counters\***

**Ultra-Reliable Data Collection** 

- Protect against network failures with six months of data storage
- Worry-free cleaning with sealed inlets and VHP resistant options
- Flexible environmental monitoring system with Wi-Fi<sup>®</sup> communication

## **Remotes with Pump**

AeroTrak<sup>®</sup> Handheld **Particle Counters** 

### **AeroTrak®+ Portable Particle Counters\***

- Different sample modes for monitoring, classifying, and root cause investigation
- Built-in monitoring and classification reports

### **Active Air Sampler for Aseptic Environments**

6

7

- Intermittent sampling improves knowledge of conditions during a production run without interventions
- Protect against network failures with local data storage

### Integrated Environmental **Monitoring Probes**

\* Unmatched 5 Year Laser Warranty

# **TSI<sup>®</sup> Facility Monitoring Software: Reliable Monitoring Systems**

## Distributed. Flexible. Redundant.

- No single point of failure
- Data available where and when you need it
- Easily scalable
- Pharma 4.0 ready communication via OPC UA Client/Server









# Monitor:

- **Data Collection**
- Fault-tolerant design
  Protects against network failures
  Hot-standby options

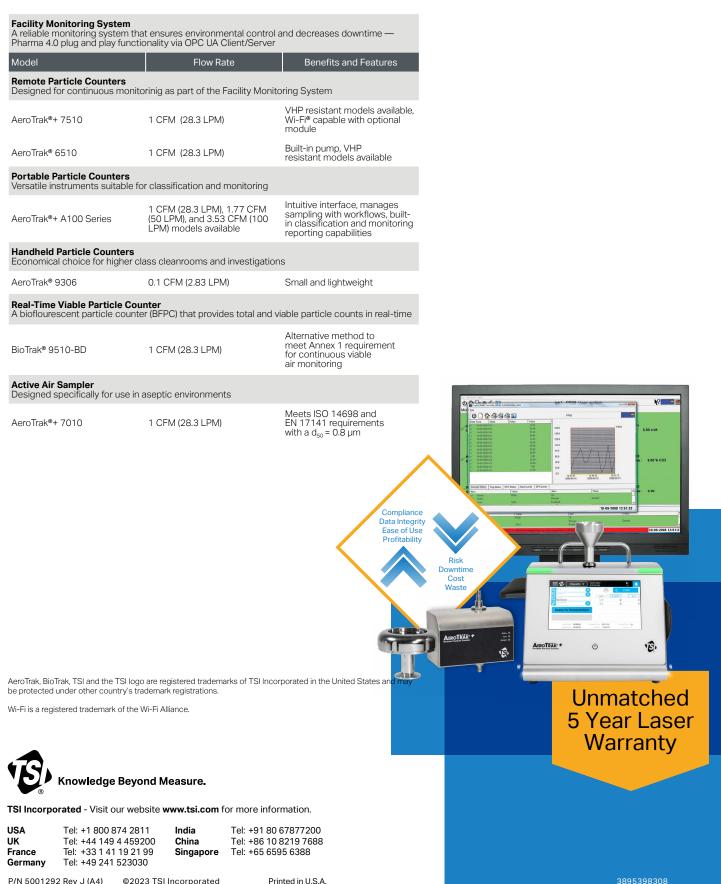


# **Client:**



# Reliable. Confident. Environmental Monitoring.

# **Environmental Monitoring Products for** Pharmaceutical Manufacturing & Life Sciences



P/N 5001292 Rev J (A4) ©2023 TSI Incorporated