



® Knowledge Beyond Measure.™

AeroTrak® + Remote Active Air Sampler

Model 7010



TSI® AeroTrak® +7010 Remote Active Air Sampler (AAS) offers aseptic manufacturers confident and reliable microbial monitoring in pharmaceutical manufacturing Grade A and B environments with external vacuum systems.

With active flow measurement and proactive flow alarms, the AAS allows cleanroom technicians to correct facility conditions before monitoring is affected to reduce production waste. The AAS integrates into TSI® Facility Monitoring Software to put critical data at your fingertips – without worry of data interruption or loss.

Features and Benefits

Reliable Measurement

- Easy compliance with FDA cGMP and EU GMP regulations by way of low d_{50} (0.8 μm) and active flow measurement
- Quick corrective action driven by real-time flow measurement warnings— e.g kinked tubing, vacuum loss, etc.
- Design specific for Grade A and B environments with traceable materials and thoughtful accessories
- Reduced interventions to change agar plates through intermittent sampling

Confident Results

- Complete environmental monitoring system by TSI® with integrated total particle and microbial monitoring
- Hassle-free data integrity with FMS Software integration and automated sample-based reporting
- Secure shareability—OPC UA interface to LIMS
- Distributed architecture without common points of failure
- No lost data—sampling completes even if network fails

Specifications

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Flow Rate	28.3 LPM (1.0 CFM) with ±5% accuracy	Weight Sample Head	1.3 lb. (0.59 kg)
Sampling Method	Sieve impaction	Control Box	2.3 lb. (1.05 kg)
d₅₀	0.8 µm per ISO 14698-1:2003	Power	Power-over-Ethernet (PoE compliant with IEEE 802.3at) or 12-24 VDC @ 30W
Sampling	Continuous or Intermittent	Relay Load	0.5 A at 125 VAC; 2 A at 30 VDC
Vacuum Source	External vacuum > 15 in. (38.1 cm) of Hg	Overvoltage Category	II
Control Box Enclosure	Stainless steel	Storage Range	14° to 122°F(-10° to 50°C)/ Up to 98% non-condensing
Sample Head (Base and Cap)	316L SS	Included Accessories	Power connector, 90mm plate standoffs, and operating manual and configuration utility on USB flash drive
Recommended Tubing (Between Sample Head and Control Box)	0.5 in. ID x 0.625 in. OD 20m maximum length	Included Accessories	Sample cap, power supply, plate holder, exhaust filter, sanitary fitting inlet, tri-clamp fittings, alarm cable, sample tubing, vacuum tubing and mounting bracket
Agar Plate Recommended Dimensions	90mm agar plate, deep fill (27 ml)		
Standard	CE		
Operating Environment	Indoor use only		
Temperature	50° to 104°F (10° to 40°C)		
Relative Humidity	20% to 95% non-condensing		
Altitude	<10,000 ft. (3,050 m)		
Polution Degree	1		
Communication	TSI® FMS 5 Monitoring System		
Status Indicator	Power, flow, sample and ethernet		
Data Storage	256,000 sample records		
Dimensions Sample Head	15 minutes of 1 second data		
Dimensions (HxWxD) Sample Head	4.5 in. x 3.4in. (11.4 cm x 8.6 cm)		
Control Box (HxWxD)	5.6 in. x 4.5 in. x 2.6 in. (14.2 cm x 11.4 cm x 6.7 cm)		