Knowledge Beyond Measure.

AeroTrak®+ Remote Active Air Sampler

Model 7010

RELIABLE MEASUREMENT

CONFIDENT RESULTS

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

Confident, Reliable, No-Hassle Compliance & Data Integrity

TSI® Complete Facility Monitoring Systems
Learn more at www.tsi.com/reliablesystem

Specifications

Aerotrak®+ Remote Active Air Sampler

Model 7010

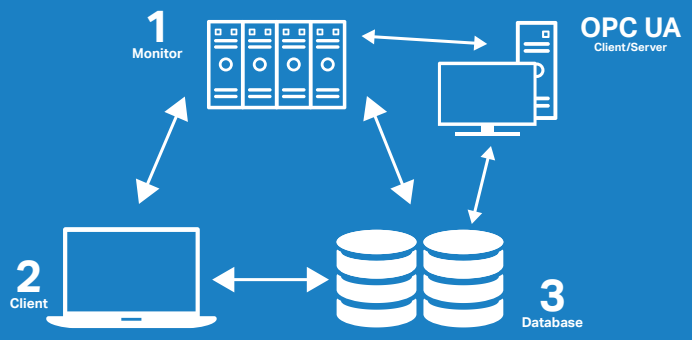
Flow Rate	28.3 LPM (1.0 CFM) with ±5% accuracy
Sampling Method	Sieve impaction
d_{50}	0.8µm per ISO 14698-1:2003
Sampling	Continuous or Intermittent
Vacuum Source	External vacuum > 15 in. (38.1 cm) of Hg
Control Box Enclosure	Stainless steel
Sample Head (Base and Cap)	316L SS
Recommended Tubing (Between Sample Head and Control Box)	0.5 in. ID x 0.625 in. OD 20 m maximum length
Agar Plate Recommended Dimensions	90 mm agar plate, deep fill (27 ml)
Standards	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)
Pollution 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 3.4 in. (11.4 cm x 8.6 cm)
Control Box (H x W x D)	5.6 in. x 4.5 in. x 2.6 in. (14.2 cm x 11.4 cm x 6.7 cm)

Weight	
Sample Head	1.3 lb. (0.59 kg)
Control Box	2.3 lb. (1.05 kg)
Power	Power-over-Ethernet (PoE compliant with IEEE 802.3at) or 12-24 VDC @ 30W
Relay Load	0.5 A at 125 VAC; 2 A at 30 VDC
Overvoltage Category	II
Storage Range	14° to 122°F (-10° to 50°C) / Up to 98% non-condensing
Included Accessories	Power connector, 90 mm plate standoffs, and operating manual and configuration utility on USB flash drive
Optional Accessories	Sample cap, power supply, plate holder, exhaust filter, sanitary fitting inlet, tri-clamp fittings, alarm cable, sample tubing, vacuum tubing and mounting bracket

NO INTERRUPTIONS.
NO DATA LOSS.
NO-HASSLE COMPLIANCE.

Complete facility monitoring systems offered by TSI®.

Learn more at www.tsi.com/reliablesystem



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