

Airborne Particle Counting & Air Quality Monitoring

for Critical Environments: Healthcare facilities, pharmaceutical & industrial cleanrooms, and many other applications.



	SPC5000	SPC7000	AQM5000	AQM7000	SPC8000
Modbus communication protocol	✓	✓	✓	✓	✓
Color touch screen display	✓	✓	✓	✓	✓
On-board vacuum pump	✓	✓	✓	✓	✓
WiFi/Ethernet/USB connectivity	✓	✓	✓	✓	✓
Display	✓	✓	✓	✓	✓
Real Time Meter™	✓	✓	✓	✓	✓
Temperature/relative humidity measuring	✓	✓	✓	✓	✓
CO ₂ and TVOC measuring (NDIR/PID)			✓	✓	
Long-life battery		✓		✓	✓
Handheld form factor					✓



Setra Systems, Inc.

159 Swanson Road, Boxborough, MA 01719

800.257.3872 • www.setra.com

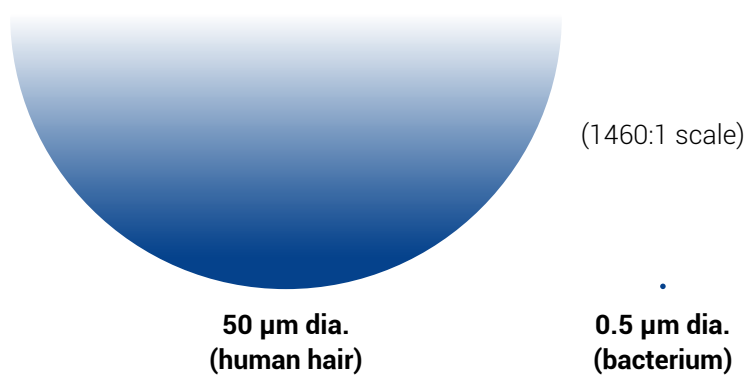
Particle Counting 101

What are airborne particle counters used for?

Airborne particle counters monitor particles and contamination in large, sensitive spaces like pharmaceutical/industrial cleanrooms and healthcare facilities. They can also be used in public spaces of commercial buildings or in construction areas to ensure clean air free of contaminants.

How small are the particles that Setra's devices can measure?

Particles are measured in micrometers (0.001 mm), also known as **microns (µm)**. The naked eye can see objects as small as 50 µm, or roughly the thickness of a human hair.



Typical organic particles (e.g. bacteria, mold spores, etc.) range in sizes between 0.5 µm and 10 µm. Setra's particle counters and air quality monitors can measure particles between 0.3 µm and 25 µm in diameter.

Why do hospitals and pharmacies need to measure particles?

- Mandated by FDA/ISO regulations in compounding cleanrooms
- Ensures products being manufactured are free from environmental contaminants
- Demonstrates cleanliness of operating rooms and other critical spaces
- Monitors indoor air quality in/around areas under construction

Have a question?

Talk to a Setra representative today about your project needs.

📞 800.257.3872

🌐 www.setra.com

Setra vs. the competition

	setra	the competition
6 channels	✓	✓
USB connectivity	✓	✓
WiFi connectivity	✓	✗
Concurrent interface sessions while sampling	✓	✗
WiFi, Ethernet, or USB connectivity	✓	✗
On-board memory	45,000 records	3,000 records
Real-time metering	✓	✗
On-screen data annotations	✓	✗
Sleep mode	✓	✗
Battery life	10 hours	6 hours



Featured application:

Industrial cleanrooms

