Knowledge Beyond Measure.

Multi-Parameter Insights Drive Better Research

Measure Where Your Research Actually Happens

Traditional particle counters aren't built for measurements on the move. The TSI OmniCount™ PWCPC is.

BENEFITS

How It Eases Your Work Life:

- Tolerates jostling and tilting while maintaining accurate measurements
- Uses water as working fluid
- Single or dual channels for real-time, synchronized UFP measurements
- Portable, with >4 hours of battery life
- Bluetooth connectivity for seamless wireless data monitoring
- Detects particles from <10 to 1,000 nm

OmniCount™ Portable Water-based Condensation Particle Counters (PWCPCs), Models 3001 & 3002

What You Can Use It For:

- Personal and (Mobile) Ambient Monitoring – Ideal for field use
- Indoor/Outdoor Air Quality – Compare UFP levels
- Cabin Air Measurements - Measure in difficult locations
- PPE Assessment – Evaluate efficiency of protective gear in real time
- Harmful Emissions – Monitor 3D printer emissions
- Academic Testing and Training – For cost-sensitive research projects

A New Duo for Multi-Location & Multi-Parameter Air Monitoring

UFP data tells part of the story.
The OmniTrak™ solution connects your OmniCount™ data to a scalable, multi-parameter platform.

Nanoparticles

Core
PM, PN, p, T, RH, CO_2, VOC (ppb)

Sound Level Meter (SLM)

VOC-PID (ppb)

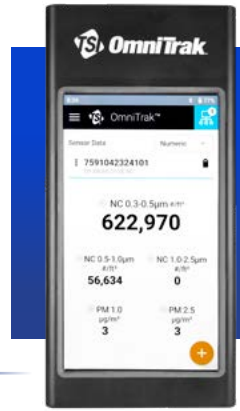
Carbon Monoxide

Formaldehyde

These modules can be mixed and matched based on research needs.

LINK

Study Manager



Smart Station

PM

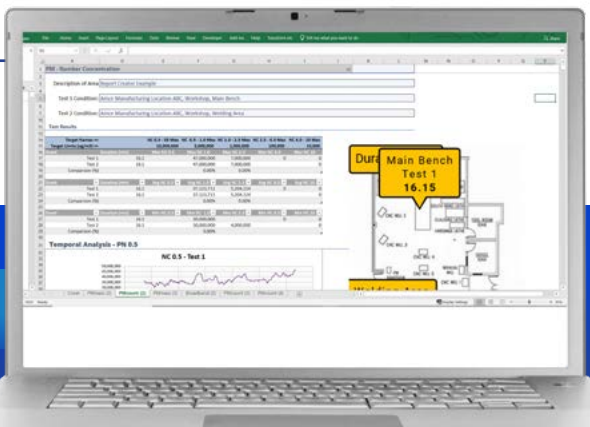
PM + VOC-PID

VOC-PID (ppm)

Chlorine

Ozone

Ammonia



Consider TSI OmniTrak™ Solution If...

...**You want to monitor multiple locations simultaneously:** Deploy across rooms or sites to identify sources and track spatial variations within a 100m BLE range.

...**You need the bigger picture:** Correlate UFP data with PM, gases, noise, temp, RH, and more for comprehensive insights.

...**You need real-time validation of your data:** View live data on the OmniTrak™ Smart Station to spot trends and troubleshoot instantly.

...**You prefer easy data management:** Export clean, time-synced CSV files with no complex setup.

...**You like flexibility and scalability:** Add modules or devices as your research expands or budgets grow.

What new capabilities does the OmniCount™ PWCPC gain when connected to the OmniTrak™ Smart Station?

When connected, the PWCPC retains all portable, single-/dual-channel UFP measurement capabilities while gaining synchronized data logging with additional environmental, gas, and particulate parameters (see previous page).

How does the system synchronize data across multiple devices?

The OmniTrak™ Smart Station automatically aligns all measurements, across multiple PWCPCs and sensor modules, by time-stamping them within a unified system clock. No manual merging, offset correction, or master clock setup is required.

How long do the batteries last?

Battery life of the OmniCount™ PWCPC is more than 4 hours, depending on environmental conditions and usage. The OmniTrak™ Smart Station battery life is more than 14 hours.

Can the system scale as my research needs grow?

Absolutely. Add more OmniCount™ PWCPC units or sensor modules at any time without reconfiguring the existing system. The modular design supports evolving research, changing environments, or expanding projects.

More at
tsi.com/omnicount-faqs

FAQs

Uncover the Full Story

From a standalone particle counter to a multi-parameter and multi-location air quality platform - TSI® scales with your research.

Learn more at
tsi.com/OC-OT

Knowledge Beyond Measure.

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