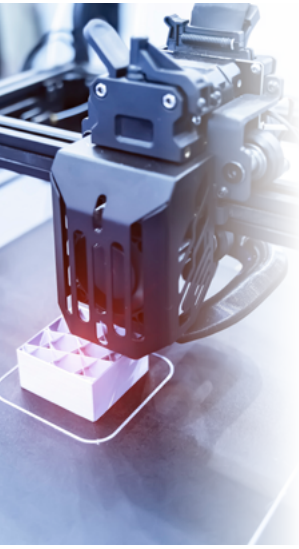
Knowledge Beyond Measure.

Exposure Insights for Real-World Applications

OmniCount™ Portable Water-Based Condensation Particle Counters



OmniCount™ Portable Water-Based Condensation Particle Counters (PWCPCs) can deliver precise ultrafine (UFP) / nanoparticle measurements, making them a valuable tool for industrial hygienists, health and safety professionals, and indoor air quality experts. With real-time data capabilities and a portable, easy-to-use design, OmniCount™ PWCPCs can help you pinpoint sources of UFP / nanoparticles, address tough air quality challenges, and support workplace exposure assessments. Suitable for both mobile and stationary use, OmniCount™ PWCPCs can offer cost-effective monitoring to help you make informed decisions in complex environments.

Innovation Designed for the Field

- Water-based CPC (no alcohol)
- Orientation-independent measurement
- Live data monitoring via Bluetooth
- OmniTrak™ platform integration

What You Can Use It For:

- **Personal and mobile monitoring**
  OmniCount™ PWCPCs can assist with direct, real-time identification of UFP / nanoparticle levels at the source

- **Indoor air quality investigations**
  OmniCount™ PWCPCs can help you pinpoint problem areas and track pollutant transport pathways throughout facilities

- **Occupational health and safety assessments**
  OmniCount™ PWCPCs can support work area monitoring and help address complex workplace air quality challenges

- **Outdoor and ambient monitoring**
  OmniCount™ PWCPCs can facilitate monitoring campaigns to characterize and compare environmental conditions in various locations

- **Field and remote measurement campaigns**
  OmniCount™ PWCPCs can offer reliable data collection in dynamic or hard-to-reach settings

- **Academic research and teaching**
  OmniCount™ PWCPCs can enable hands-on demonstrations and investigations into UFP / nanoparticle behavior and control strategies

- **Model 3002 Exclusives:**
  Real-time respirator fit assessments and filtration efficiency measurements
  OmniCount™ PWCPC model 3002 can support advanced applications requiring simultaneous dual-channel or location UFP / nanoparticle comparisons

BENEFITS

Why Choose OmniCount™ PWCPC?

- **Real-Time UFP Monitoring:** OmniCount™ PWCPCs can provide direct, real-time UFP / nanoparticle data to help you quickly identify potential sources and trends in demanding environments

- **Easy to Use and Portable:** With intuitive operation, battery operated and lightweight construction, OmniCount™ PWCPCs can simplify measurement tasks for busy professionals in the field or workplace

- **Adaptable for the Field:** Operating for more than four hours on battery power at 20°C/68°F, OmniCount™ PWCPCs can support measurements in both mobile and stationary scenarios. Plug-in power options offer flexibility for extended assessments

- **Sustainable Approach:** Using distilled water rather than isopropyl alcohol, OmniCount™ PWCPCs can help reduce consumable costs, and streamline daily workflows

- **Dual-Channel Capability:** The model 3002 can enable simultaneous UFP / nanoparticle comparisons between two separate/nearby locations — a valuable advantage for applications such as real-time respirator fit checks and filtration efficiency studies with OmniCount™ PWCPCs

- **Real-World Fit Assurance:** Dual-channel OmniCount™ PWCPCs deliver real-time respirator fit assurance by measuring protection performance during actual tasks and changing workplace conditions

Key Features

- **Customizable Configurations:** Select the single-channel (3001) or dual-channel (3002) model, so OmniCount™ PWCPCs can match your specific monitoring requirements

- **Broad Detection Range:** OmniCount™ PWCPCs can detect particles from less than 10 to 1,000 nm and support concentration levels up to 200,000 particles/cm^3, helping you assess a wide range of environments

- **Simple, Real-Time Data Management:** With Bluetooth® LE and USB-C connectivity, OmniCount™ PWCPCs can provide immediate access to robust data, supporting timely assessment and response (i.e., immediate access to information and ability to conduct corrective actions)

- **Convenient Data Storage:** OmniCount™ PWCPCs include on-board data storage with three operation modes, making it easier to capture and organize your measurements

- **Streamlined Analysis:** Specialized PC software can enable straightforward data collection, access, and reporting with OmniCount™ PWCPCs, helping you efficiently solve air quality and workplace exposure challenges

OmniTrak™ Platform Integration

Expanding OmniCount™ PWCPC Capabilities

A Powerful Duo for Multi-Location and Multi-Parameter Air Monitoring

The TSI OmniCount™ PWCPC integrates seamlessly with the OmniTrak™ platform. This powerful combination alongside a full suite of particulate, gas, and noise parameters - all time-synchronized across multiple units and locations simultaneously. Deploy multiple OmniCount units across a facility and capture a complete, multi-parameter exposure pictures from a single platform. Designed to assist professionals in industrial hygiene and environmental research, this modular system provides unmatched, multi-parameter insights for real-world applications.

Why Integrate with the OmniTrak Platform?

- Monitor Multiple Locations Simultaneously: Deploy instruments across rooms, buildings, or sites. You can identify sources and track variations across spaces within a 100-meter Bluetooth Low Energy (BLE) range
- Gain the Bigger Picture: Correlate UFP / nanoparticle measurements with particulate matter, key gases, noise, temperature, and relative humidity for truly comprehensive insights
- Real-Time Data Validation: Access live data on the OmniTrak™ Smart Station. This allows you to spot trends, validate experiments, and troubleshoot instantly
- Simplify Data Management: Export well-organized, time-synced results as CSV files, or connect seamlessly to TSI Link™ Report Creator for advanced analysis
- Flexibility and Scalability: Expand your monitoring setup easily as your needs evolve. You can add modules or devices without disrupting your workflow

Built for H&S Professionals

This scalable approach supports a variety of demanding applications requiring robust data collection:

- Real-time UFP / nanoparticle monitoring in buildings, schools, and aircraft cabins
- Personal exposure studies
- Source emissions research
- Worker exposure assessment - welding, grinding, additive manufacturing
- Engineering control verification - before/after evidence that controls are working
- Facility -wide IH surveys, IAQ investigations and source identification

PLATFORM

Take the Next Step

Discover how the OmniCount™ PWCPCs can assist your monitoring campaigns and help you capture UFP / nanoparticle data.

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Visit **tsi.com/omnicount-protect** or contact our team today to learn more and request a demonstration.

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