

SMART

WATER CONDENSATION PARTICLE COUNTER

PUFP C200

Enmont introduces the world's first truly-mobile condensation particle counters that overcome the technical barriers of traditional CPCs that limit traditional CPCs' usage at stationary.

Enmont water CPCs are truly-mobile and SMART while maintaining equivalent performance to stationary CPCs. Enmont expands the CPC application from laboratory to fields.



Accurate



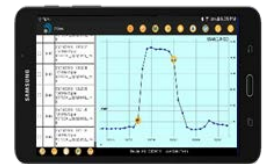
Mobile



GPS



Bluetooth



Smart

SMART FEATURES

- **Simple and easy operation:** no need for professional training
- **Full automatic operation:** all processes are automatic including measurement, data saving, status report, self-diagnostics, automatic-shut down, etc.
- **Mobile:** sustainable for normal human activities like running, jumping, driving, working.
- **Wireless and wired:** Bluetooth and mini USB implemented
- **Data-synched geolocation:** tagged by imbedded GPC
- **Taking data-synched videos and pictures:** by EView loaded Android devices.
- **Taking data-synched text notes:** by EView loaded Android devices.
- **Cloud data storing and sharing:** using Eview in android devices report real-time data

Particle Counting FEATURES

- **Pin-point accuracy:** Single-particle counting
- **Incomparable Limit of Detection (LOD):** 5 nm measurement sensitivity
- **Real-time:** response time is less than 0.5 second
- **Low counting error**
- **Measurement flexibility:** 6 hours battery powered operation and/or longer term operation powered by VAC with external water supply.
- **Low-maintenance:** no regular part replacement like particle growth tube - replacement of traditional CPCs.
- **Eco-friendly operation:** effluent is only water vapor and safe for sensitive environment
- **No self-particle generation:** appropriate for monitoring sensitive environment like semiconductor
- **No humidity effect on accuracy**

Specification

Model: PUF_P C200

Particle Counting Principal	Water-based condensation particle counting
Particle Size Range	6 nm (D ₅₀ with Hydrophilic NaCl particles) to ≥ 3 μm
Particle Counting	Single particle counting with coincidence correction
Particle Counting Range	0 to 2.0x10 ⁵ particle/cm ³ (0 to 2.0x10 ¹¹ particle/m ³)
Counting Accuracy	±10%
Response Time	≤ 0.5 second
Sampling Frequency	0.1 – 1.0 second
Report Frequency	1.0 second
Sampling Flow rate	0.25 l/min ±10%
Flow Driven Source	Internal micro diaphragm pump
Condensate removal	External collection tube
Mobile Sustainability	± 4 g
User Interface	3 inch-LCD and keypad on board External Android devices including Smartphones External PC or Mac
Software	EView for PC and Mac and EView Android
Data Storage	External microSD card
Data Transfer	USB and Bluetooth
Data	Particle concentration, Local time Greenwich Mean Time (GMT), Geolocation, Elevation, Picture, Video, Text
Dimensions (H x W xD)	7 x 10 x 13 cm including Li-Po battery and water chamber
Weight	0.75 kg including Li-Po battery and water chamber
Power	Li-Po battery or 110- 240 VAC power supply
Operation Hour	3 hours continuous operation powered by battery
Temperature range	10 to 40 °C (50 to 104 °F)
Humidity range	10 – 99% RH