

# UF-CPC 200



Condensation particle counter for number concentration up to  $2 \cdot 10^6$  particles/cm<sup>3</sup> (single count mode)

## BENEFITS

- This novel and patented working fluid delivery system provides the user with the option to quickly switch between butanol and isopropanol, for example, or even water.
- The UF-CPC is able to count up to 2,000,000 particles/cm<sup>3</sup> in single count mode, depending on the sensor in use (able to be switched out by the user).
- Integrated computer with 7" touch screen
- Intuitive user interface with sophisticated software for data analysis
- Integrated data logger
- Unlimited network compatibility that supports remote control and data storage on the Internet
- Integrated interface for process control applications

## APPLICATIONS

- Aerosol research
- Testing of filters and air purifiers
- Environmental measurements
- Occupational exposure and workplace safety studies
- Inhalation and health effects studies
- Process monitoring
- Printer emission studies

## DATASHEET

Measurement range (number $C_N$ )	$2 \cdot 10^6$ particles/cm <sup>3</sup> (single count mode)
Measurement range (size)	4 – 10,000 nm
Volume flow	0.9 l/min (butanol) 0.3 – 1 l/min (adjustable for research applications)
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Light source	LED
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)
Data logger storage	4 GB
Software	PDAnalyze
Accuracy	5 % (single count mode)
Response time	$t_{90} = 2.8$ s, $t_{90-10} = 2.0$ s
Operation liquid	1-butanol
Installation conditions	+10 – +30 °C (others on demand)
Dimensions	290 • 240 • 350 mm (H • W • D)



Further information:  
<https://www.palas.de/product/ufcpc200>