



Nanoparticle counter for ambient air monitoring with Nafion® aerosol dryer (optional) and high volume flow for up to $2 \cdot 10^6$ particles/cm³ (single count mode)

Benefits

- The unique, patented way of providing the working fluid for unattended operation of months
- Depending on the sensor used (exchangeable by the user), the ENVI-CPC counts up to 2,000,000 particles/cm³ in count mode
- Ambient air monitoring without dilution system
- Integrated computer with 7" touch screen
- Intuitive user interface with sophisticated software for data evaluation
- Integrated data logger
- Limitless integrated network connectivity that supports remote operation and data storage in the internet
- Powerful software package

Applications

- Aerosol research
- Environmental measurements
- Environmental monitoring networks
- Workplace safety and exposure studies
- Traffic emission monitoring
- Health Studies
- Mobile aerosol studies



<https://www.palas.de/product/envicpc200>

Datasheet

Parameter	Description
Interfaces	USB, LAN, RS-232/485
Measurement range (size)	4 – 5,000 nm
Measurement range (number C_N)	$2 \cdot 10^6$ particles/cm ³ (single count), $2 \cdot 10^6 - 10^7$ particles/cm ³ (photometric)
Volume flow	0.9 l/min
Data acquisition	Digital, 20 MHz processor, 256 raw data channels
Light source	LED: High stability, long-lasting
User interface	Touch screen, 800 • 480 pixels, 7" (17.78 cm)
Dimensions	33 • 38 • 24 cm (H • W • D)
Weight	approx. 10 kg
Accuracy	5% (single count mode); 10% (nephelometric mode)
Response time	$t_{90} = 3$ s
Operation liquid	Butanol
Installation conditions	+10 – +30 °C (others on demand)

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