



Determination of the electrical charge of ultrafine aerosols from 2 nm to 10 µm for the determination of the number concentration

Benefits

- Reliable current measurement (charge/time) for aerosols
- Quick measurement (10 Hz) of the particle concentration
- Intuitive operation using touch screen
- Graphical display of measured values for particle concentration and electrometer current
- Gravimetric filter that can be switched out for on-site correlation between the measured current and the mass concentration
- Integrated pump
- Integrated data logger
- Low maintenance
- Easy to operate
- Reduces your operating expenses

Applications

- Aerosol research
- Environmental measurements (high concentrations)
- Workplace measurements
- Emission studies
- Process control
- Calibration of condensation particle counters (CPC)



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

Datasheet

<i>Parameter</i>	<i>Description</i>
Interfaces	USB, Ethernet, RS232
Measurement range (size)	> 2 nm
Measurement range (number C_N)	0 – 1.6 • 10 ⁷ particles/cm ³
Volume flow	1 – 5 l/min (internal pump), 1 – 10 l/min (external pump)
Data acquisition	24 bit AD-converter
Data logger storage	10 MB
Measurement range (current)	1 fA - 22500 fA
Accuracy	0.1 fA (0.1 Hz), 1 fA (1 Hz)

Palas GmbH
 Partikel- und Lasermesstechnik
 Greschbachstrasse 3 b
76229 Karlsruhe
 Germany

Managing Partner:
 Dr.-Ing. Maximilian Weiß
Commercial Register:
 register court: Mannheim
 company registration number: HRB 103813
 USt-Id: DE143585902



Contact: E-Mail: mail@palas.de Internet: www.palas.de Tel: +49 (0)721 96213-0 Fax: +49 (0)721 96213-33