



# Calibration of Optical Particle Counter for clean rooms and clean space applications

## Calibration campaigns 2022

- Campaign A: CW 11...14; preferred date
- Campaign B: CW 23...26; preferred date
- Campaign C: CW 45...48; preferred date

## Contact

Company:

Name:

Address:

PC, City, Country:

Telephone:

Email:

## Instrument

Manufacturer:

Model:

S/N:

Flow rate: L/min

## Typical application

- In-house reference
  - max. concentration used: counts per minute
  - typical sizes used:  $\mu\text{m}$ ,  $\mu\text{m}$ ,  $\mu\text{m}$ ,  $\mu\text{m}$
- Classification/Qualification
  - typical ISO14644-class:
- Other
  - Please describe:

## Adjustment

- Adjustment of size channels and/or flow rate
  - Adjustments of the instrument is possible, if access granted.

## Capabilities at METAS

Calibration according to ISO 21501-4

Nominal particle sizes ( $\mu\text{m}$ ):

0.1, 0.15, 0.2, 0.25, 0.3, 0.4, 0.45, 0.5, 0.7, 0.8, 0.9, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 10.0, 20.0

Nominal particle number concentrations: (500'000...50'000'000)  $\text{m}^{-3}$ .

Typical expanded relative uncertainties in the determination of the OPC counting efficiency: (5...7) %

During calibration/adjustment all instruments are, in principle, operated by the personnel of the institute. The customer is therefore not obliged to be present during the calibration procedure. However, interested persons are very welcome to attend calibration or perform the adjustment themselves.

ISO 17025: please check <https://www.metas.ch/metas/en/home/metas/internationale-erkennung.html>

Internationally recognised Calibration and Measurement Capabilities (CMCs) in the particle size range (0.3...5)  $\mu\text{m}$  and number concentration range (1...5)  $\text{cm}^{-3}$ .

## Important information

„METAS General Terms and Conditions“ are applied to all services of METAS. They are available at [www.metas.ch](http://www.metas.ch).

NDA's, amendments, subsidiary agreements and supplements shall always have to be made in writing.

Please send along:

- Manual
- Communication cable
- Power supply
- Software

Please make sure:

- Old data has been saved
- Batteries are charged
- Your user settings are noted or saved

Shipping instructions:

<https://www.metas.ch/metas/en/home/dl/geraete-ans-metas-senden.html>

## Contact

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