PS

The sampling tubes PS 1000 / PS 2000 and PS 3000 can be heated up to 120 °C and easily adapted to the heated welas® aerosol sensors. The heating control is part of the delivery content.

Operation principle

Heatable sampling tube

During the sample taking of hot aerosols, particle condensation from the gas phase may occur if the aerosol cools down. The whole sample-taking unit, including the aerosol sensors, sampling lines, and dilution systems, must be heated to avoid that effect. The sample taking should be isothermal to avoid particle concentration and size distribution changes.

For heating temperatures up to 250 °C, Palas® offers the variation with the articles PS 1000 HT / PS 2000 HT and PS 3000 HT.

Benefits

- Actively heated, flexible sampling tube
- Easy use with welas® aerosol sensors
- Avoiding of condensation effects during aerosol sampling by heating to the appropriate temperature
- Selection for temperatures up to 120 °C or up to 250 °C

DATASHEET

Power supply	115 V or 250 V
Temperature regulation	Heatable to 120 °C or 250 °C
Diameter	Inside = 6 mm, outside = 8 mm
Dimensions	1 m, 2 m or 3 m (length)

APPLICATIONS

- Isothermal sample taking of hot aerosols
- Blow-by measurements

Mehr Informationen:
https://www.palas.de/product/ps-system