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Pegasor PPS-G2 test system

Pegasor PPS-G2 is a particle sensor for measuring number concentration of ultrafine particles. The PPS-G2 sensor is designed for OEM applications where the particle sensor is integrated as a part of a large system. For demonstration purposes, the sensor is available as a PPS-G2 standalone test system with needed accessories to test the system in actual measurements.

The PPS-G2 standalone test system includes

- Pegasor PPS-G2 particle sensor with integrated heater elements, K-type temperature sensor for heater control and insulation jacket for the sensor (PPSG2-01)
- Temperature controller for the G2 sensor heater
- USB interface with cable for connecting the sensor to a laptop/PC
- USB drive incl. demo plotter software and instructions for data protocol
- 1 m sample line 8 mm OD/6 mm ID

External requirements

- Clean and dry air to operate the sensor, 8 lpm @ 300 mbar during measurement. Connection 6 mm ID tube. Suitable pumps and cleaning unit also available from Pegasor.
- Sample inlet and outlet provided with conductive tubings 8 mm OD/ 6 mm ID, 1/8" female connection in the sensor with connectors to 6 mm tube included
- Power
 - Via USB without the heaters
 - max 60 W with the heater (up to 700 W peak during start-up of the heater)
 - Power and data connection with a 4-pole M8 connector