AEROSOL SENSOR WELAS® 2300



The model 2300 aerosol sensors are equipped with a very big measurement volume and are used for coincidence-free measurement with a maximum number concentrations up to 40,000 particles/cm^3. These sensors are therefore suitable for indoor air measurements and for filter testing in accordance with EN779. Measuring range: 0.2 – 10 μm / 0.3 – 17 μm / 0.6 – 40 μm / 2 – 100 μm.

BENEFITS

- The sensors are easily replaceable
- World's smallest and most robust sensors in the 2000 series
- Excellent agreement of all sensors regarding particle size and particle concentration
- Minimization of particle losses in long sampling lines by the easy installation of the sensor directly at the sampling point
- Sensors for in-situ measurements
- Measurement in explosive environments in the 2000 series (without heating)
- Easy to clean
- Simple operation
- Reliable function
- Low maintenance
- Reduces your operating costs

APPLICATIONS

- Determination of the separation efficiency of car interior filters, engine air filters, room air filters, compressed air filters, vacuum cleaner filters, cleanable filters, electrostatic precipitators, oil separators, cooling lubricant separators, wet scrubbers, cyclones, and other separators
- Isothermal and isobaric particle size and quantitative determination, for instance, in the automobile, chemical, pharmaceutical, and food industries
- Analysis of fast, transient processes
- Inspection of smoke detectors
- Particle formation for cloud formation

MODEL VARIATIONS

...model available in additional variations

DATASHEET

Measurement range (number C_N)	0 – 4 • 10^4 particles/cm^3
Measurement range (size)	0.2 – 105 μm (4 measurement ranges)
Volume flow	5 l/min (others on demand)
Thermodynamic conditions	+10 – +40 °C, -100 – +50 mbarg
Light source	Xenon arc lamp 35 W
Dimensions	50 • 250 • 100 mm (H • W • D)
Weight	Approx. 2.8 kg

NORMS AND CERTIFICATES

EN 779