AEROSOL SENSOR WELAS® 2070



The model 2070 aerosol sensors are equipped with a very small measurement volume and are used for coincidence-free measurement with a maximum number of concentrations up to 1,000,000 particles/cm^3 and in the highest mass concentrations, e.g., Arizona dust A2, SAE Fine, up to 1,000 mg/m^3. Measuring range: 0.2 – 10 μm / 0.3 – 17 μm / 0.6 – 40 μm.

BENEFITS

- The sensors are easily replaceable
- World's smallest and most robust sensors in the 2000 series
- Very good agreement of all sensors regarding particle size and particle concentration
- Minimization of particle losses in long sampling lines by easy installation of the sensor directly at the sampling point
- Sensors for in-situ measurements
- Measurement in explosive environments in 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

Measurement range (number C_N)	0 – 10^6 particles/cm^3
Measurement range (size)	0.2 – 40 μm (3 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