

IPS UA

Instrument for determination of solid particle size distribution in the air
Measuring range 0,5 μm - 2 mm

Intended use:

- *particle quantity and particle size one-dimensional measurements - according to maximum particle size
- *for dry or moist particles - by combining two types of analysers in one housing and using two types of feeders, the universal instrument have been obtained
- *particle measurement in the air
- *measurements of any type of powdered materials
- *specific surface measurements

Measuring method:

- *optoelectronic measuring method employing light scattering phenomenon
- *preliminary measurement within 4096 dimensional classes
- *calibrated measurement within 256 equally sized dimensional classes or 11 unrestricted, user defined classes
- *full simulation of sieve analysis according to Elsieve method (patent no. 205378)
- *coincidence analysis
- *500 kHz frequency of particle scanning

Specification:

- *measuring sensor with infrared diode or laser diode
- *two replaceable feeders: automatic feeder and ultrasonic feeder
- *mini-compressor for particle pneumatic transportation
- *doubled automatic dosing system with ultrasonic generator
- *notebook computer with dedicated software
- *compact duralumin housing, the analyser weight 17 kg

We provide:

- *training
- *technical support
- *validation
- *warranty and post-warranty technical service
- *software tool adapted to user needs and making possible to optimize the tested process

