Particle System Technology Sensor

Standard specification (all systems):
Ambient temperature: 5 to max. 25°C; Medium temperature: 10 to 125°C;
Pressure: vacuum: up to 6 / 16 bar

Exposed Particle Surface Area Measurement

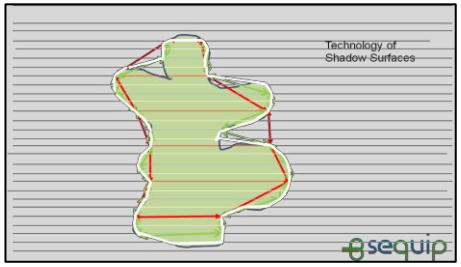
Up to 250.000 signals per sec.

The factor of the signal form and profile-dependent signals is captured and evaluated by a high performance electronic system. Information on the surface finish and profile of the particle are necessary to identify the real size and the change of profile.
All signal images will be saved in the Multi Capture Signal Analysis and are available to be evaluated by the electronic system.

APAS: Advanced Particle Analysing System- with dynamic measurement range and analysis of form signals—open signal tap by an oszilloscope exit for research applications, open hard – and software

IPAS: Insitu Particle Analysing System - Collection and analysis of signal forms to define morphologically crystals and particles- closed hard- and software

APAS – Advanced Particle Analyzing System
Sensor: Ø18 / 25 mm, open MCSA software & hardware
Range: 120 nm up to 2000 µm, concentration: C_v < 40%



Sequip S+E GmbH, Angermunder Str. 22, D-40489 Düsseldorf, Germany
Tel. +49 (0)203 742140; info@sequip.de
www.Sequip.de

IPAS – Insitu Particle Analyzing System
Sensor: Ø 18 mm, closed MCSA software & hardware
Range: 120 nm up to 2000 µm, concentration: C_v < 40%

IPAS – Insitu Particle Analyzing System
Sensor: stepped Ø 8-14-18 mm, closed MCSA software & hardware
Range: 120 nm up to 600 µm, concentration: C_v < 40%

Systems based on Signal length distribution

Moving of the focus into the medium: Undiluted measurements in laboratory and insitu process of dispersed phase systems in real-time
1D -> static selective focus
2D -> circular moving selective focus
3D -> spiral vertical moving selective focus

PAT 3D ORM
Sensor: Ø18 mm, Auto focus, Win ORM software & hardware
Range: 2 µm up to 800 µm, concentration: C_v < 60%, Signal rate handling: 60000 signals per sec.

PAT 3D ORM
Sensor: Ø 18 mm, Auto focus, Win ORM software & hardware
Range: 0,5 µm up to 125 µm, concentration: C_v < 80%, Signal rate handling: 60000 signals per sec.

PAT 3D ORM ToF (Time of Flight)
Sensor: Ø 18 mm, Auto focus, Win ORM software & hardware
Range: 0,5 µm up to 600 µm, concentration: C_v< 40%, Signal rate handling: 60000 signals per sec.