

PartSens®

Portable particle counter for surfaces acc. ISO 14644

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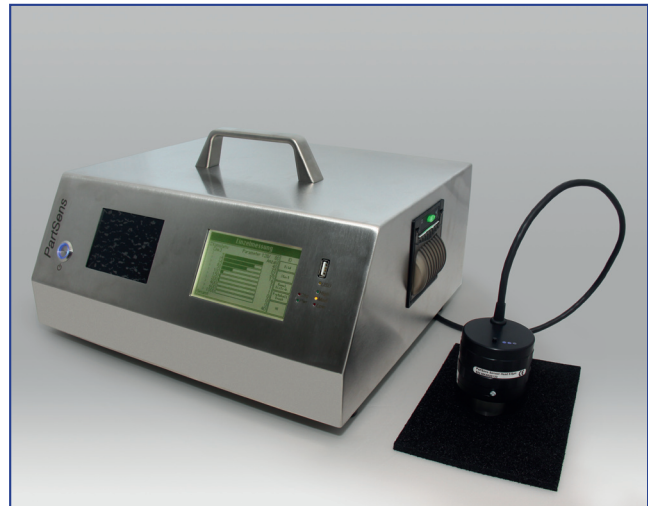
PartSens® is a portable particle counter that directly measures and counts particles and dust on surfaces while leaving the surface unchanged. The cleanliness of components is one of the most important factors for high quality products. Easy and instantaneous detection of contamination is essential for an efficient production.

The unique technology according to ISO 14644-9 and ease of use as well as the portable design make the PartSens inspection systems the perfect solution for companies concerned with clean surfaces at the product level and within the production environment.

Glancing light technology offers reliable and reproducible highly accurate results without extensive test procedures using microscopes or indirect sampling methods such as filter analysis, vacuum or liquid transfer. Particle size and count is determined within seconds. Viewing the surface in real-time, the image processing software automatically counts and sizes particles. This data, including the live-screen, can be immediately viewed on the integrated screen, printed or stored for future reference and comparison. The real image allows detection of size, location and shape of existing particles.

PartSens can be configured to detect particles on various material surfaces such as stainless steel, silicon, plastic or glass.

PartSens may be set up to a given measuring task by individually defining alarm thresholds.



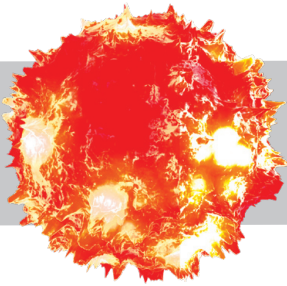
FEATURES:

- Portable particle counter for surfaces
- Measuring technology according to ISO 14644-9
- Measuring from 5 µm to 4000 µm Resolution: 8,5 µm
- Analysis: particle size and number
Particle size according to standards e.g. ISO
- Measurement area: 5 mm x 7 mm or 15mm x 20 mm
- Measurement time: <5 Seconds
data output: Touch Screen and Live Image
USB-Interface

APPLICATIONS:

- Detection of process related contamination generated during manufacturing
Inspection of the state of cleanliness of :
 - Components
 - Subassemblies
 - Systems and equipment
- Assessment of cleaning processes
- Replacement of complex test procedures, i.e. microscopic inspection

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Measuring Head P8.5

Housing	Aluminium
Dimensions of Measuring Head (LxW)	72mm x 60mm
Applied Surface Area	Ø 31mm
Particle Analysis Function	Glancing Light, Optical
Particle Resolution	8,5µm
Dimensions of Housing	205mm x 330mm x 360mm
Printer	Thermal Print, paper width 55mm
Particle Readout	Particles / Size Classes acc. to ISO 16232
Particle Detection Range	from 2 µm upwards
Particle Alarm Limits	flexible settings
Readout	Screen Display, Protocol Printout, USB
Operating Temperature Range	5°C to +30°C
Storage Temperature Range	-20°C to +60°C
Power Supply	110-240V AC 50/60Hz
Video Display Format	BNC, BAS Signal, 75 Ohm

JKang
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