

HAYER & BOECKER



DIE DRAHTWEBER



HAVER CPA 2-1 ONLINE

PHOTO-OPTICAL PARTICLE ANALYSER FOR ONLINE PARTICLE SIZE AND SHAPE ANALYSIS IN THE MEASURING RANGE FROM 34 μm UP TO 25 MM.

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Photo-optical particle analyser for online particle size and shape analysis in a measuring range from 34 µm up to 25 mm.

The HAVER CPA 2-1 ONLINE has been designed for particle analysis of fine bulk material down to 34 µm. It is used for continuous quality control during the production process.

The HAVER CPA 2-1 ONLINE is in permanent standby mode for measuring material samples which are fed regularly by use of a sampler.

Both components are activated manually or by a programmable logic controller (PLC).

The high-resolution digital line scan camera of the HAVER CPA 2-1 ONLINE scans the particles in free-falling bulk materials against the background of an LED-lighting array. The shadow projections are evaluated in real time (HAVER REAL TIME) simultaneously to the measuring process.

After measuring the sample can be returned to the production process.

The HAVER CPA 2-1 ONLINE is equipped with the latest HAVER CpaServ Software, which works under Windows operating systems.

The HAVER CPA 2-1 is resistant against surrounding

conditions like heat, dust and wetness. This is achieved by its robust construction in stainless steel, the line scan camera with Peltier module, pneumatic cleaning and an adsorbent.

Due to the GigE camera interface the notebook or PC can be placed at a distance of up to 100 m from the analysing process.

Advantages of the HAVER CPA 2-1 ONLINE:

- regular sample analysis without interruption of production
- high speed measuring
- resistant against heat or coldness, dust, wetness
- automatic feeder cleaning
- LED light source, no warm-up phase, energy saving
- HAVER REAL TIME technology

Examples for application:

- sand
- sugar, salt
- peening and blasting material
- plastics
- fertilizer
- food
- pharmaceuticals
- feed

Technical data:

Measuring range:	34 µm up to 25 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Type of protection:	IP 65
Feeder width:	65 mm
Camera:	CCD-line camera with Peltier cooling / heating system, -15°C up to +50°C
Horizontal resolution:	2048 Pixel
Pixel frequency:	50 MHz
Light source:	LED
Aeration:	Axial blower (stops automatically during measurement)
Cleaning:	pneumatically, before and after each measurement (compressed-air is necessary)
Interfaces:	RS 485, USB, RS 232, Profibus (optional)
Sample feeding:	by the customer
Dimension measuring device:	approx. 1,000x300x510 mm (LxWxH) without service unit, control unit and notebook enclosure
Total weight:	approx. 80 kg
Design:	stainless steel, 1.4404