

**HAYER & BOECKER**



**DIE DRAHTWEBER**



## **HAVER CPA 4-1**

THE ROBUST ONLINE UNIT.  
EFFICIENT PARTICLE ANALYSIS - DESIGNED TO HANDLE LARGE SAMPLES.

# HAVER CPA 4-1.

## Photo-Optical Particle Analyser for particle size and shape analysis in the measuring range from 63 µm to 50 mm.

The HAVER CPA 4-1 is suitable for particle size and shape analysis of coarse material up to 50 mm. With its robust construction, this member of the CPA family of instruments is designed to handle large sample quantities. Thanks to the HAVER REAL TIME technology, the HAVER CPA 4-1 can also be utilized as a particle counting device. The unit's versatility and ruggedness allow it to be used in the laboratory, in a pilot plant or the harsh environment of a process plant as an online device. It can also be integrated into a production process with virtually no modification because of the built-in serial interfaces.

The HAVER CPA 4-1 is equipped with the proven and user-friendly HAVER CpaServ software, which works under current Windows operating systems. Both, the measuring unit as well as the software are designed for an online connection to a PLC system. The GigE camera interface allows flexible operation with a notebook without additional hardware (e.g. camera card). Thanks to the consistent modular con-

struction, the HAVER CPA 4-1 can be combined with all of our HAVER-peripheral devices to improve and enhance the "preparation" of the samples. Such as the HAVER HSD to pre-dry wet material, or the HAVER DMS for a pre-classification of material. Both devices play a decisive role in increasing the efficiency of the HAVER CPA 4-1.

### Advantages of the HAVER CPA 4-1:

- noise reduction by rubberized feeder and funnel
- online capability
- high speed measuring
- pneumatic cleaning
- robust design
- high camera resolution with automatic measuring range changeover
- LED-light source
- GigE-camera interface - data transfer up to 100 m

### Application examples:

- gravel, grit
- coal
- sugar, salt
- plastic granulate
- pharmaceuticals
- fertilizer
- ceramic
- food
- ore



HAVER CPA 4-1, Particle Analyser for particle size and shape analysis in the measuring range from 63 µm to 50 mm



HAVER CPA 4-1 measuring gravel

### Technical Data:

Measuring range:	63 µm to 50 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Type of protection:	IP 54
Feeder width:	200 mm
Camera:	CCD-line-scan-camera
Horizontal resolution:	4096 Pixel
Pixel frequency:	60 MHz
Light source:	LED
Interfaces:	digital IO-Ports, GigE, RS 232
Dimensions:	approx. 1500x790x940 mm (LxWxH)
Weight:	approx. 120 kg
Colour:	blue, RAL 5013

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