HAVER & BOECKER

DIE DRAHTWEBER



HAVER CPA 4-2

THE FLEXIBLE ONLINE DEVICE.
WIDE MEASURING RANGE BY OFFERING TWO DISTINCT MEASURING RANGES.

HAVER CPA 4-2.

Photo-Optical Particle Analyser for particle size and shape analysis in two measuring ranges from 35 µm to 90 mm.

The HAVER CPA 4-2 is equipped with two separate measuring ranges, whereby it is possible to measure fine and coarse materials on one unit. Measuring range one is designed for the particle size and shape analysis of finer materials such as sand. Measuring range two has been optimized to analyse larger materials such as gravel and grit. Thanks to the HAVER REAL TIME technology, the HAVER CPA 4-2 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 4-2 is equipped with the new 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.

Thanks to its modular construction, the HAVER CPA 4-2 can be combined with our efficiency enhancing peripheral devices to help with the "preparation" of the samples.
The HAVER HSD is used to pre-dry wet material, the HAVER DMS offers pre-classification of material. Both devices play a decisive role in increasing the efficiency of the HAVER CPA 4-2.



HAVER CPA 4-2 measuring gravel and sand in two measuring ranges

Advantages of the HAVER CPA 4-2:

- two measuring ranges
- noise reduction by rubberized feeder and funnel
- online capability
- high speed measuring
- pneumatic cleaning
- robust design
- high camera resolution with automatic measuring range changeover
- software modifications individually programmable
- LED light source
  - no warm-up phase, energy saving
- GigE-camera interface
- data transfer up to 100 m

Examples for applications:

- gravel
- grit
- sand
- split
- coal
- sugar
- salt
- plastic granules
- fertilizer
- ceramic
- food
- pharmaceuticals
- ore

Technical data:

Measuring ranges:	1st. MR: 35 µm to 15 mm 2nd. MR: 91 µm to 90 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Type of protection:	IP 54
Feeder widths:	1st. MR: 100 mm, 2nd. MR: 300 mm
Camera	CCD-line camera
Horizontal resolution:	4096 pixels
Pixel frequency:	60 MHz
Light source:	LED
Interfaces:	digital IO-Ports, GigE, RS 232
Dimensions:	approx. 1770x810x1050 mm (LxWxH)
Weight:	approx. 152 kg
Colour:	blue, RAL 5013

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