

HAYER & BOECKER



DIE DRAHTWEBER



HAVER CPA 4-1

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

HAYER CPA 4-1.

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

The HAYER 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 HAYER REAL TIME technology, the HAYER 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 HAYER CPA 4-1 is equipped with the proven and user-friendly HAYER CPA 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. Upon request, the CPA software can be customized to meet a user's special requirement. Thanks to the consistent modular construction, the HAYER CPA 4-1 can be combined with all of our HAYER-peripheral devices to improve and enhance the "preparation" of the samples. The HAYER HSD is used to pre-dry wet material, the HAYER DMS offers pre-classification of material. Both devices play a decisive role in increasing the efficiency of the HAYER CPA 4-1.

Advantages of the HAYER CPA 4-1:

- noise reduction by rubberized feeder and funnel

- online capability
- high speed measuring
- transportable by rubber wheels (optional)
- 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

Application examples:

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

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 camera
Horizontal resolution:	4096 pixels
Pixel frequency:	60 MHz
Light source:	LED
Dimensions:	approx. 1500x790x940 mm (LxWxH)
Weight:	approx. 120 kg
Colour:	blue, RAL 5013



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



HAYER CPA 4-1 measuring gravel

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