

HAYER & BOECKER



DIE DRAHTWEBER



HAVER CPA 4-2

THE FLEXIBLE ONLINE DEVICE.

WIDE MEASURING RANGE BY OFFERING TWO DISTINCT MEASURING RANGES.

HAYER CPA 4-2.

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

The HAYER 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 HAYER REAL TIME technology, the HAYER 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 HAYER CPA 4-2 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 its modular construction, the HAYER CPA



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

4-2 can be combined with our efficiency enhancing peripheral devices to help with 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 4-2.

Advantages of the HAYER CPA 4-2:

- two measuring ranges
- 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

Technical data:

Measuring ranges:	1 st . MR: 35 µm to 15 mm 2 nd . MR: 91 µm to 90 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Type of protection:	IP 54
Feeder widths:	1 st . MR: 100 mm, 2 nd . MR: 300 mm
Camera	CCD-line camera
Horizontal resolution:	4096 pixels
Pixel frequency:	60 MHz
Light source:	halogen lamp
Dimensions:	approx. 1900x800x1050 mm (LxWxH)
Weight:	approx. 178 kg
Colour:	blue, RAL 5013

- range changeover
- software modifications individually programmable
- LED light source → no warm-up phase, energy saving
- sand
- split
- coal
- sugar
- salt
- plastic granulate
- fertilizer
- ceramic
- food
- pharmaceuticals
- ore

Examples for applications:

- gravel
- grit

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