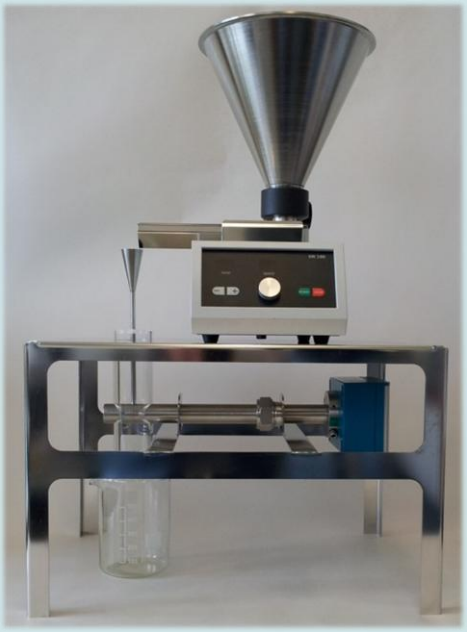
Inline Partikelmessung

At-line particle-measuring system

The at-line particle-measuring system is designed for use near the production location and allows for the quick and easy analysis of particle sizes of samples from various sampling points. From a cost perspective, it is therefore the ideal compromise for the simultaneous monitoring of several production lines or sampling points where the inline process-monitoring method is too complex or not feasible.
The at-line system is made completely of stainless steel and has two clips for the attachment of an IPP 70 or IPP 80 inline particle-measuring probe. The cover plate features a vibratory conveyor for metered sample feeding with infinitely variable transport-speed adjustment.
This makes it possible to set up a complete particle-measuring station in combination with the particle-measuring probe, a measuring PC including IPP measuring software and accessories. The technical specifications of the IPP 70 and IPP 80 inline particle-measuring probes can be found in the appropriate datasheets. There is also the option of connecting a suction device for additional dispersion or disposal of the sample material after the measurement has been performed.



➢ Technical details

Measuring system as accessory	IPP 70-S, IPP 70-Se, IPP 75-S or IPP 80-P
Particle size measurement range	50...6000 µm
Particle velocity measurement range	0.01…100 m/s
Products	Powder, granulates, bulk goods...
Frame dimensions (width/height/depth)	450 x 330 x 350 mm
Vibratory conveyor connection	110/230 VAC, 50/60 Hz
Probe mount dimensions	25 mm (for IPP 70, IPP 75 or IPP 80 probe)
Sample feed	Funnel with downpipe, 6 mm diameter (optional 8 mm)
Additional sample dispersion	For example, D24, D12 disperser and/or suction dust extractor

➢ Accessories

Measurement probe	IPP 70-S, IPP 70-Se, IPP 75-S or IPP 80-P
Measuring PC/software	Measuring PC with measuring software installed for the evaluation and presentation of the measured values
Options	
At-line versions	The frame for the at-line system can also be supplied with a suction dust extractor
D24 disperser	For high load/high fine content – particles up to <2000 µm, clearance 3.8 mm
D12 disperser	As for D24, but also for larger particles >2000 µm, clearance 7.5 mm
SZ11, SZ20-4 cleaning cells	With low load for cleaning the probe optics without diluting the flow of particles
Compressed-air unit	Compressed-air supply for the probe when using dispersers or cleaning cells

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