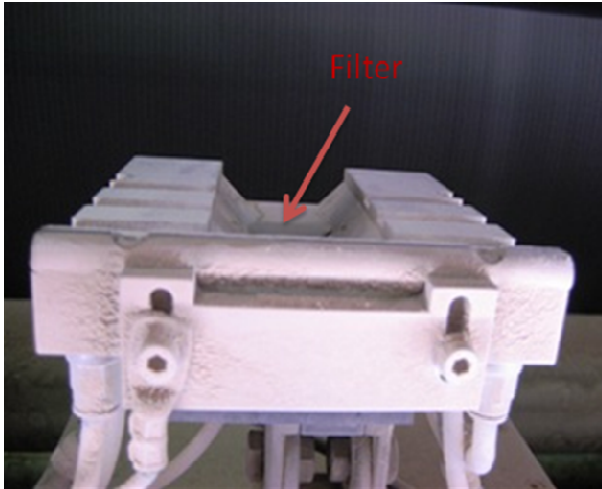




LPA Dust Amount Analyzer of Webs



On-line dust amount analyses of webs

The LPA (Lint Propensity Analyser) analyzer is an on-line unit that collects the un-bonded dust & debris from the paper web.

Continuous measurement

The LPA collects this debris on a continuous basis. The measurement frequency can be programmed for up to minutes or hours.

Accurate and reliable readings

Due to the fixed point installation, the measurement condition is always the same, which assures us the reliable measurements.

Calibration

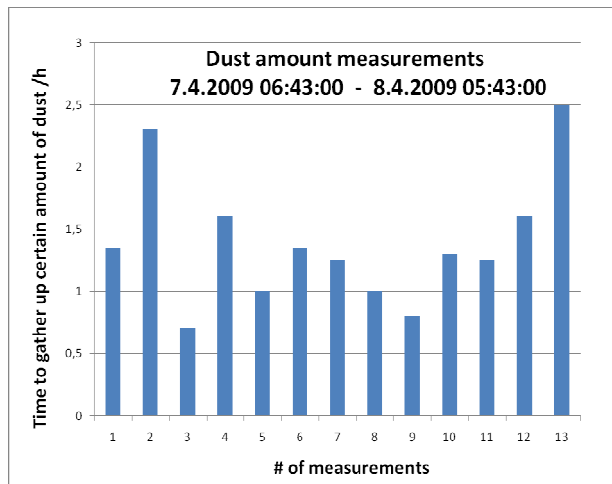
Due to the method of measurement, there is no need for the regular calibration of the unit; once a year is sufficient. One just needs to take care of the cleanliness of the filter.

Easy to maintain

Dust plugging is prevented by air filters and an automatic self cleaning sequence. However, some manual cleaning is needed depending on the measuring intervals but on average once per a month.

New possibility for process control

On-line measurement makes it possible to react quickly to process control conditions when changes are seen in the dust amounts on the web.



SPECIFICATIONS

MEASUREMENT PRINCIPLE The LPA collects a certain amount of un-bonded dust on the filter. The result is the time of the collection (min or h).

OUTPUT TYPE 1-wire, 4 - 20 mA & Ethernet

OPERATING TEMPERATURE Sensing head 120 °C max
Control box 50 °C max

DIMENSIONS Sensing head 650 x 250 x 180 mm, 12 kg
Control box 395 x 300 x 300 mm, 14 kg

MEASUREMENT RANGES Adjustable from minutes to days

EXTERNAL CONNECTIONS

Power supply: 100 - 264 VAC, 50/60 Hz or 24 VDC 2A
Air supply: 6 - 10 bar, 200 l/min, clean and dry air
Instruments signals: 1 Analog outputs: 4-20 mA
2 Binary Inputs: Break Input
Reel turn up

LOW VOLTAGE & EMC Ethernet CAT-6 to PC (Optional)

ENCLOSURE CLASS IEC 6100-4-3 and CISPR 11
IP 54

PC SOFTWARE (OPTIONAL) DustView made by ACA Systems

MEASUREMENT SAMPLE TIME Hours or minutes

SPECIAL FEATURES Automatic self-cleaning cycle (adjustable time)

MAINTENANCE Filters to be replaced every 3 - 6 weeks

CALIBRATION Once per year

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Notice: ACA Systems reserves the right to make changes or improvements to the product without prior notice.

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