

Concentration and dispersion monitor - **Aello 5000**

Aello 5000 is a contactless measurement system for the detection of the dispersion's type and its concentration. The robust and compact design of the measurement system allows an in-line application for several process and quality control applications. By applying an innovative new measurement principle the **Aello 5000** satisfies with low maintenance requirements and a competitive price.

Measurement of:

- concentration 0,05 – 30 weight-%
- dispersion/material type - light distinction between different types of particles or droplets

Special features:

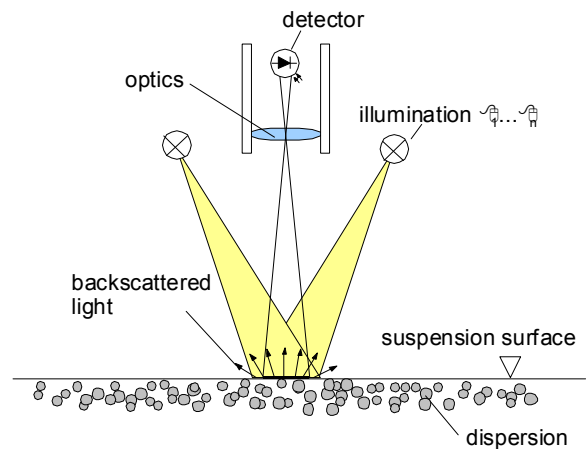
- Contactless measurement
- Low maintenance costs
- Robust design
- Integrated microprocessor
- LCD-display
- menu guided user interface
- programmable output
- serial interface RS 232 (RS 485)

Measurement principle:

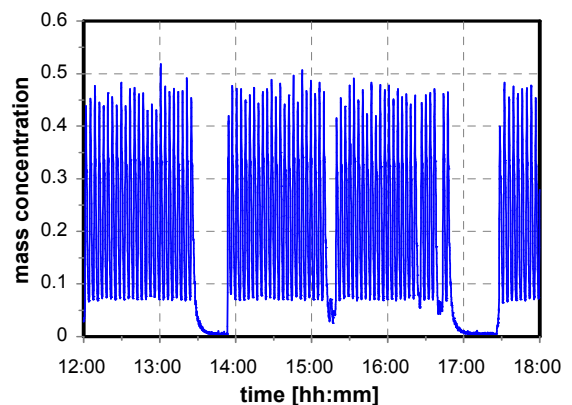
The dispersion will be illuminated by different wavelengths. The spectral backscattered light intensity is calibrated to the concentration and the particle material.

Applications:

- CMP-slurries
- nanoscaled dispersions
- Blending / mixing processes
- Waste water monitoring



Measurement principle



Measured concentration of a polishing process