

Aello – In-line Particle Sensors

measurement of particle size, shape and concentration

System	Picture	Description
Measurement of particle size and concentration (moderate and middle particle concentration*)		
Aello 1100/1400 1100: ~ 2 - 300 µm * 1400: ~ 90 nm - 100 µm * finger probe		<ul style="list-style-type: none"> • measurement of turbidity, indices relating to the median particle size and concentration in fluids • 1400: characterization of nanoscaled particles • quality control of disperse substance systems • kinetic monitoring of multiphase processes
Aello 1560 ~ 90 nm – 1,6 µm * size monitor		<ul style="list-style-type: none"> • special developed for nano suspensions (e.g. CMP-slurries) • measure of size and concentration index • construction with a flow through cell • integrated data treatment • programmable analog and digital outputs
Aello 7100 ~ 5 µm – 5 mm * laboratory device		<ul style="list-style-type: none"> • Lab device for detection of: <ul style="list-style-type: none"> ○ size and size distribution ○ concentration ○ shape / shape distribution ○ seldom coarse particles • use the Aello IPT-software
Measurement of concentration (median – high concentration, ~ 50 nm – 100 µm *)		
Aello 1500 finger probe		<ul style="list-style-type: none"> • high-resolution determination of the concentration by calibration • characterization of nano particles in high concentrations • quality control in wastewater, flocculation and precipitation • colour detection
Aello 1520 finger probe with evaluation unit		<ul style="list-style-type: none"> • like 1500 • integrated control and data treatment unit • programmable outputs • 4-20 mA, 0-10 V
Aello 1551 flow through cell concentration monitor		<ul style="list-style-type: none"> • like 1520 • construction with a flow through cell • special developed for nano suspensions • application in CMP-slurries
Aello 5000 sewage monitor		<ul style="list-style-type: none"> • integrated evaluation etc. like 1551 • contact free measurement in aggressive environs • measurement of concentrations of nano-particles • detection of different particles (product A/B) • application: wastewater treatment, aggressive and sticking materials
Special models (customer demanded)		
		
* The precise measurement range depends on optical sample properties.		