NanoAnalyzer Technical Specifications

Research instrument for single particle characterisation in suspension.

U30 Models

OPTICS	**Lasers**	Blue (488nm) & Red (638nm)
	Laser Configuration	6 µm x 24 µm elliptical spot
	Flow Cell	250 x 250 µm
	Detectors **SPCM: Single Photon Counting Module**	SPCM side scatter detector SPCM 525/40 nm fluorescence detector SPCM 670/30 nm fluorescence detector Filters: user exchangeable
	SSC Sensitivity	<30 nm
	SSC Resolution	40/50 nm
	Particle Size Range	7-1000 nm
	FL Sensitivity	AF488<10, PE<1(excited by a green laser)
	FL Resolution	42/133 ERF
	Visual inspection	Equipped with a camera, it can monitor the laser beam and the sample flow chamber in real-time

FLUIDICS	**Sample Acquisition Rate**	10,000 events/min
	Sample Flow Rate	2-60 nL/min
	Sheath Flow Rate	10-40 µL/min
	Sample Volume	10 - 100 µL
	Fluidic Maintenance	Automated startup, cleaning, decontamination and shutdown

DATA	**Software**	NF Profession 3.0
	Data output	nfa, FCS 3.0, txt, PDF, bmp and Excel
	Parameters	Peak Height, Area & Width for all channels

PHYSICAL CHARACTERISTICS	**Dimensions (W x D x H)**	50.6 cm x 34.6 cm x 29.0 cm 19.9 in x 13.6 in x 11.4 in
	Weight	28 kg
	Power Requirements	110-240 VAC; 50-60 Hz
	Environmental Requirements	Temperature: 15-35°C; Relative Humidity: 80% maximum