

Particle Sizers

The most comprehensive selection of instruments for sizing submicrometer and supermicrometer particles

Please see the specification sheets for individual instruments for further details..

	Sizer	Particle Size Range (µm)	DMA	CPC	Working Liquid	Particle Concentration (Particles/cm³)	Measurement Time (sec)	Resolution (Total Channels Measured)	Channels per Decade	Key Feature		
SMPS™	3938L50	0.01 to 1.0	3081A	3750	Butanol	1 to 10 ⁷	10 to 600 (Selectable)	Varies by Model, 384 Channels from 0.001 to 1.0 µm Collectively	4, 8, 16, 32, 64, 128 (Selectable)	Highest Resolution; Individual Components Provide Greatest Flexibility		
	3938L52	0.01 to 1.0	3081A	3752								
	3938N52	0.004 to 0.15	3085A									
	3938NL52	0.004 to 1.0	3081A & 3085A									
	3938L56	0.01 to 1.0	3081A	3756								
	3938N56	0.0025 to 0.15	3085A									
	3938NL56	0.0025 to 1.0	3081A & 3085A									
	3938L89	0.01 to 1.0	3081A	3789	Water							
	3938N89	0.0022 to 0.15	3085A									
	3938NL89	0.0022 to 1.0	3081A & 3085A									
	3938E89	0.0022 to 0.05	3086									
	3938EL89	0.0022 to 1.0	3081A & 3086									
	3938E57	0.001 to 0.05	3086								3757 & 3750	Diethylene Glycol & Butanol
	3938EL57	0.001 to 1.0	3081A & 3086									
	3938W50*	0.01 to 0.8	3083	3750	Butanol							
	3938W52	0.01 to 0.8	3083	3752	Butanol							
	3938W89	0.01 to 0.8	3083	3789	Water							
NanoScan SMPS™	3910	0.01 to 0.42	Built In	Built In	Isopropyl Alcohol	100 to 10 ⁶	60	13	8	Portable		
Fast Sizers	3091 FMPS	0.0056 to 0.56	N/A	N/A	N/A	<10 ⁷	1	32	16	Fast Distributions		
	3090 EEPS™						0.1					
APS™	3321	0.52 to 20				0.001 to 1,000	1 Sec To 18 Hours (Variable)	52	32	Aerodynamic Size		
OPS	3330	0.3 to 10				1 to 3,000	1 Sec to 24 Hours (Variable)	Up to 16	Variable	Portable		
LAS	3340A	0.09 to 7.5				1 to 18,000	1 Sec to 60 Hours (Variable)	Up to 99		Optical to Smaller Sizes		

N/A Not Applicable

*The 3938W50 SMPS™ is available with various combinations of DMA polarity, CPC D50 cutpoint (7 vs. 10 nm), and calibration compliant with CEN/TS 17434. Please contact TSI® for further details.