

Seta AvCount Lite SA1800-2

Portable Light Extinction Particle Counter

ASTM D7619; ASTM D975; IP 565; Defence Standard 91-86;

Defence Standard 91-091; ISO 4406

- ISO 11171 calibration
- Cumulative Particles/ml
- ISO 4406 Cleanliness Codes
- Simple operation
- Portable, compact instrument
- Under 3 minute test time
- Online/offline sampling
- Stand-alone or PC controlled
- PC programmable
- Integrated printer
- Optional battery for portable use



Fuels • Hydraulic Oil • Light Lubricants



Principle of operation Laser obscuration 3 ambedded test methods 3 ambedded test methods, user programmable via PC Supplied with ASTM D7619; IP 565; ISO 4406 pre-installed ISO 11171: 4µm(c) to ±100µm(c) (calibration for larger sizes available on request) 18565) Pressure (max) Conline pressure 10 Bar, pressure reducing valve for high pressure max 300 Bar Ambient 0 to 70 °C Ambient 0 to 70 °C Ambient 0 to 40 °C Sample temperature range Programmable test method Bottle sample or online connection Size Programmable test method Size Protocol (number of repeat measurements, flush volume before first measurement). Single or automated repeat tests, interval between repeat tests Vellow on black high contrast display, simple menu driven system with rotate and push control Measuring channels 6 size channels displayed on instrument, up to 16 programmable via PC 4µm(c), 6µm(c), 10µm(c), 14µm(c), 21µm(c), 25µm(c), 30µm(c), 38µm(c), 70µm(c) Counts per measurement Measuring channels 600,000 per ml Coincidence error limit 30,000 particles/ml ≥4µm(c) with ≤ 5% co-incidence error (ISO 11171) Sample viscosity (max) Sample Delivery System is available as an accessory) 80 ml for ASTM D7619 € IP 565, from 20 ml for other methods (includes flush cycles) Sample Delivery System is available as an accessory) 10 ml for ASTM D7619 € IP 565, from 20 ml for other methods (includes flush cycles) Sample delivery Sample delivery Som la fer ASTM D7619 € IP 565, from 20 ml for other methods (includes flush cycles) Sample delivery Data Management Cumulative, Particles/ml, ISO 4406 cleanliness codes/classes (differential when programmed via Partikel software 900 result memory Date (immercy) Date (immercy	Technical Specifications	
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Relative humidity (max) Sampling method Bottle sample or online connection Size Protocol (number of repeat measurements, flush volume before first measurements) (flush volume between measurements, flush between measurements) Single or automated repeat tests, interval between repeat tests Yellow on black high contrast display, simple menu driven system with rotate and push control Measuring channels 6 size channels displayed on instrument, up to 16 programmable via PC 4µmlc), 6µmlc), 10µmlc), 14µmlc), 21µmlc), 25µmlc), 30µmlc), 38µmlc), 70µmlc Counts per measurement 600,000 per ml Coincidence error limit 30,000 particles/ml ≥4µmlc) with ≤ 5% co-incidence error (ISO 11171) Sample viscosity (max) 64 mm²/s (using internal pump), 200 mm²/s (pressure fed @ 3 BarG) (SA1950-0 Sample Delivery System is available as an accessory) Sample volume (typ) Sample delivery Integral Dual Piston Pump (DPS) downstream of the cell 30 ml/min ±5 ml/min Data Management Cumulative, Particles/ml, ISO 4406 cleanliness codes/classes (differential when programmed via Partikel software 900 result memory Date/time indexed (last 20 tests can be viewed on screen) Download to PC/laptop port or ProTrend software and print via internal printer Connectivity USB Type B - connection to PC for use with the software suite Number of calibration points 2 Vdc Optional 12 Vdc battery and charger (SA1816-0) Physical Size (HxWXD) / Weight 250 x 145 x 350 mm / 7.4 kg	Sample temperature range	Ambient 0 to 70 °C
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Optional 12 Vdc battery and charger (SA1816-0) Physical Size (HxWxD) / Weight 250 x 145 x 350 mm / 7.4 kg	Power requirements	
Physical Size (HxWxD) / Weight 250 x 145 x 350 mm / 7.4 kg	Voltage	
Size (HxWxD) / Weight 250 x 145 x 350 mm / 7.4 kg	Physical	
	Size (HxWxD) / Weight	250 x 145 x 350 mm / 7.4 kg
	Construction	Coated steel outer case