

	AvCount2:	AvCount Lite:	AvCount Lube:	AvCount Air:
Test methods	IP565, ASTM D7619, ISO 4406-1991, ISO 4406-1999, NAS 1638, SAE-A6D, SAE-749D, SAE-AS4059E, GB5930-86, GOST 17216-71, GJB 420-87, GJB420A-96, GJB420B-2006	3 embedded test methods, supplied with ASTM D7619, IP 565, ISO 4406 (Other test methods available on request) Programmable via PC software	3 embedded test methods, supplied with ASTM D7647, ISO 60970, ISO 4406 (Other test methods available on request) Programmable via PC software	3 embedded test methods, Programmable via PC software
Particle size range	ISO 11171: 4µm(b) to >100µm(b) ISO 4402: 2µm to >100µm GOST 17216-71: 2µm to >200µm	ISO 11171: 4µm(b) to >100µm(b) ISO 4402: 2µm to >100µm	ISO 11171: 4µm(b) to >100µm(b) ISO 4402: 2µm to >100µm	0.21µm to 10µm
Measuring channels	Measured: 15, fixed Displayed: Test Method dependant	Measured: 15, programmable via PC Displayed: 6 Max, programmable via PC ASTM D7619: 4/6/14/30µm(b) IP 565: 4/6/14/21/25/30µm(b) ISO 4406: 4/6/14/25/38/70µm(b)	Measured: 15, programmable via PC Displayed: 6 max, programmable via PC ASTM D7647: 4/6/14/21/38/70µm(b) ISO 60970: 4/6/10/14/21/30µm(b) ISO 4406: 4/6/14/21/38/70µm(b)	3 internal, 16 programmable via PC
Results	Particles/ml or Particles/10ml (Test Method dependant) Cumulative & distributive Cleanliness codes (Test Method dependant) Automatic averaging for multi-measurement tests 2000 results in 64 memories; date/time indexed Download via USB port	Particles/ml or Particles/10ml (Test Method dependant) Cumulative & distributive Cleanliness codes (Test Method dependant) Automatic averaging for multi-measurement tests 600 result memory; date/time indexed (last 20 tests can be viewed on screen) Download via USB port with software	Particles/ml or Particles/10ml (Test Method dependant) Cumulative & distributive Cleanliness codes (Test Method dependant) Automatic averaging for multi-measurement tests 600 result memory; date/time indexed (last 20 tests can be viewed on screen) Download via USB port with ProTrend	Particles/second 600 result memory; date/time indexed Download with software
Test duration	Less than 5 minutes (IP 565 - 5 rinses, 3 measurements)	Less than 4 minutes (IP 565 - 5 rinses, 3 measurements)	Less than 4 minutes (IP 565 - 5 rinses, 3 measurements)	Up to 1 hour
Concentration particles/ml (max)	600 000 particles	600 000 particles	600 000 particles	250 000 particles/sec
Coincidence error limit	50 000 particles/ml (@ <5% error)	50 000 particles/ml (@ <5% error)	50 000 particles/ml (@ <5% error)	N/A
Sample viscosity (max)	68mm ² /s (from sample bottle) 250mm ² /s (pressurised 10 barG max)	68mm ² /s (from sample bottle) 250mm ² /s (pressurised 10 barG max)	200mm ² /s (from sample bottle)	N/A
Sample temperature range	0 to 70°C	0 to 70°C	0 to 70°C	0 to 70°C
Sample delivery and metering	Integral Dual Piston Pump (DPS)	Integral Dual Piston Pump (DPS)	Feed: 3 barG air pressure via internal compressor Metering: Integral Dual Piston Pump (DPS)	Integral precision air pump
Flush volume	Test Method dependant (User adjustable in 10ml increments)	User programmable in 10ml steps via PC	User programmable in 10ml steps via PC	User programmable via PC
Measurement volume	Test Method dependant (User adjustable in 10ml increments)	User programmable in 10ml steps via PC	User programmable in 10ml steps via PC	User programmable via PC
Repeats per test	Test Method dependant (User adjustable)	User programmable via PC	User programmable via PC	User programmable via PC
Total sample volume used (typ)	80ml (includes rinse cycles) ASTM D7619 & IP 565, from 20ml other methods	80ml (includes rinse cycles) ASTM D7619 & IP 565, from 20ml other methods	80ml (includes rinse cycles) ASTM D7619 & IP 565, from 20ml other methods	User programmable via PC
Voltage / Power	100/230 Vac, 50/60Hz, max 30W or 24 Vdc	12 Vdc, 1A. Optional integral 3000mAh battery (typically 2.5 hours operational time). Charger/mains adaptor 100 to 230 Vac, 50/60Hz, 1000mA	Particle counter: 12 Vdc, 1A (mains adaptor supplied 100 to 240 Vac, 50/60Hz, 650mA) Sample Delivery System: 24 Vdc, 2A (mains adaptor supplied 100 to 240 Vac, 50/60Hz, 1A)	240 Vac +/-10%, 50Hz, 1A
Size (HxWxD) / Weight	24 x 33 x 24cm / 12kg	25 x 33 x 15cm / 7kg	50 x 32 x 22cm / 16kg	26 x 22 x 15cm / 5kg

