



SA1000-2 **avcount2** PARTICLE COUNTER

ASTM D7619 Standard Test Method for Counting and Sizing Particles in Light and Middle Distillate Fuels, and Liquid Bio Fuels, by Automatic Particle Counter; IP 565; DEF STAN 91-91: ISO 4406 (1999); ISO 4406 (1991), GOST 17216, NAS 1638, SAE AS4059E, SAE A6D, SAE 749D, GB 5930, GJB 420-1987, GJB 420-A-1996, GJB 420B-2006

- All the features of the original AvCount plus;
- Easy to use large colour touch screen display
- 15 fixed measuring channels
- Additional particle counting methods
- Save up to 2000 measurements across 60 memories
- Download to a USB memory stick
- 16 Point calibration
- Smaller case size
- English, Chinese or German language selection



BIO-FUEL TESTING



OPTIONAL SOFTWARE AVAILABLE



TECHNICAL DATASHEETS AVAILABLE



SA1000-2

avcount2 combines an improved user interface and re-packaged electronics with the accuracy and reliability of the pump and sensor from the original **avcount** in a more compact case.

The **avcount2** is controlled via icons or a virtual keyboard using the colour touch sensitive screen. Results are displayed in real time and are simultaneously printed out on the compact integral printer.

The test methods embedded in **avcount2** cover a range of fuels, lubricating oils and hydraulic fluids. Test methods can be edited to create custom test profiles.

Improved connectivity and better memory management allows results to be accessed, printed out or downloaded to a memory stick via the USB port, or to a personal computer via the RS232 Port. The **avcount2** can also be controlled via the RS232 port.

avcount2 utilises 16 point calibration and can be re-calibrated on-site by a Seta trained engineer.

SPECIFICATIONS

| Seta Analytics part no: | SA1000-0 & SA1200-0 | SA1000-2 |
|----------------------------------|--|---|
| Particle Size Range: | ISO 11171: 4µm to >70µm | ISO 11171: 4µm to >70µm ISO 4402: 2µm to >100µm GOST17216-71: 2µm to >200µm |
| Measuring Channels: | 8 | 15 |
| Counts per Measurement (max): | 16.000.000 | 16.000.000 |
| Sample Viscosity (max): | 68mm ² /s (from sample bottle) 500mm ² /s (@10bar) | 68mm ² /s (from sample bottle) 500mm ² /s (@10bar) |
| Sample Temperature Range: | 0 to 80°C | 0 to 80°C |
| Size Bands Reported During Test: | As specified in Test Method | As specified in Test Method |
| Size Bands Reported on Recall: | As specified in Test Method | All channels |
| Results: | Particles/ml (cumulative and distributive) ISO Codes to ISO 4406: 1999 (cumulative) | Particles/ml or Particles/10ml (Test Method dependant) Cumulative and Distributive Cleanliness Codes, Cumulative or Distributive (Test Method dependant) |
| Cell Volume @ Flow Rate: | 10ml @ 30ml/min | 10ml @ 30ml/min |
| Total Sample Volume used (typ): | 80ml (includes rinse cycles) for IP 565 | 80ml (includes rinse cycles) for IP 565 & ASTM Multifuel 20ml other methods |
| Sample Pressure (max): | 10 bar (310 bar with SA1008-0 option) | 10 bar (310 bar with SA1008-0 option) |
| Display and Control: | LCD display, 4-key-operation | Touch sensitive screen |
| Measuring Mode: | Single or cyclic measurement (cycle period 1 - 99 min) | Single or cyclic measurement (cycle period 1 - 99 min) |
| Particle Count Alarm: | Low Limit/High Limit, User defined | Low Limit/High Limit, User defined |
| Printer: | Lid mounted integral thermal printer | Integral compact thermal printer |
| Computer interface: | RS232C (control and data download) | RS232C (control and data download) USB (data download) USB Memory Stick (data download) |
| Voltage: | 100/230VAC, 50/60Hz, max 30W (12VDC for SA1200-0) | 100/230VAC, 50/60Hz, max 30W or 24VDC |
| Size (HxWxD): | 37 x 33 x 21cm | 24 x 33 x 24cm |
| Weight: | 11kg | 12kg |