

# Product Update Bulletin

## Launch of the icountBS Off-Line Bottle Sampler



### Parker's icountBS laser, Off-Line Bottle Sampling Particle Analyzer.

The icount Bottle Sampler (icountBS) from Parker Hannifin's Hydraulic Filter Division Europe is now available with an innovative industrial design that has been developed for customers looking for state of the art technology, attention to detail and is a compact permanent product for laboratory particle analysis. Combining these features with on-board, laser based, leading-edge technology brings a truly revolutionary particle counter to many industries.

The icountBS features an easy to use, interactive touch screen, pressurized bottle chamber for in fluid air suppression via an internal compressor pump (shop air optional), a bottle cavity aperture design with an easy to open cantilever catch and hinge. Also the icountBS has a safety door locking mechanism and sample tube feed, 'retract and cleaning' sleeve system, minimizing contamination cross-over, which is noted as a competitor shortfall. An internal printer is standard and the icountBS is calibrated to ISO & NAS standards.

The icountBS benefits from Parker's knowledge and experience providing bottle analysis equipment to the market over the last 15 years. This experience originates from selling market leading, innovative solutions and by having front line condition monitoring products for all sectors of fluid analysis opportunities. The unit was, at every stage, developed with the customer's 'voice' in mind.

### Product Features:

- Quick sample bottle installation and analysis with variable test time options.
- Repeatable and reproducible result performance to ISO 4406:1999 and NAS1638 particle count distributions.
- DC and rechargeable battery pack power options built in.
- 6 fixed channel size analysis.
- Fluid resistant touch screen panel.
- Sample tube self cleaning sleeve minimizing contamination cross-over.
- Internal printer & calibration to ISO and NAS standards.



If you require additional and specific information relating to this bulletin or any of the Parker Filtration Products, please contact the Marketing Department:

Tel: +44 (0) 1924 487000, Email: [filtrationinfo@parker.com](mailto:filtrationinfo@parker.com)

Parker Filtration Divisions (globally) provide a comprehensive range of filtration solutions for your application. These include; hydraulic filtration, condition monitoring systems, engine fuel, oil, air and coolant filtration.

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### icountBS Specifications

<b>Principle of Operation</b>	Laser based light obscuration
<b>Calibration Dust</b>	MTD or ACFTD
<b>Dimensions</b>	H=530 x W=190 (210 Door) x D=410 (mm)
<b>Weight</b>	18Kg
<b>Mechanical Composition</b>	Stainless steel 316, plated mild steel and aluminium
<b>Plastics Composition</b>	Precision polyurethane RIM mouldings and ABS plastic
<b>Environmental Operating Temperature (tested)</b>	+5°C to + 60°C
<b>Operating RH range</b>	20 – 85% (Tested at 30°C, No condensation)
<b>Storage Temperature</b>	-40°C to + 90°C
<b>Storage RH range</b>	10 – 90% (Tested at 30°C. No condensation)
<b>Channel Sizes</b>	<b>ACFTD</b> - >2µ,>5µ,>15µ,>25µ,>50µ,>100µ <b>MTD</b> - >4µ(c),>6µ(c),>14µ(c),>21µ(c),>38µ(c), >70µ(c)
<b>Analysis Range</b>	ISO 7 to 21, NAS 0 to 12
<b>Contamination Standards</b>	<b>ACFTD</b> - ISO 4406:1987, ISO 4406:1991 & NAS 1638 <b>MTD</b> - ISO 4406:1999 & NAS 1638
<b>Calibration Standard</b>	<b>ACFTD</b> - Fully traceable to gravimetric first principles. <b>MTD</b> - Traceable to ISO11171 via ISO11943.
<b>Fluid management</b>	Maximum single sample = 100ml Minimum single sample = 10ml
<b>Possible Test Configurations</b>	User selectable from single test up to 5 tests per run. (eg.1x100ml up to 5 x50ml per run)
<b>Pre-Test Flush Volume</b>	Minimum = 10ml, Maximum = 100ml
<b>System Flow Rate</b>	Test = 60ml/Min, Exhaust =240ml/Min
<b>Viscosity Range</b>	5 to 400 cSt
<b>Fluid Compatibility</b>	Mineral oils and petroleum based fluids
<b>Sample Bottle Size</b>	No specific bottle required. Maximum size = 75 (Dia) x 150 (H) mm Maximum Volume = 250ml
<b>Memory Storage</b>	500 Tests (capacity warning after 450 tests)
<b>Output Display</b>	Backlight 256 Colour STN Transmissive
<b>Output Display Resolution</b>	320x3(R.G.B)(H) x 240(W) dots
<b>Display Active Area</b>	115(H) x 86(W) mm
<b>Data Input</b>	Via icon driven resistive touch screen
<b>Printer</b>	Thermal dot-line printing
<b>Printer Paper</b>	Ø50mm – (57mm x 25 m)
<b>Test Certification</b>	Calibration & Certificate of Conformity
<b>Power Supply</b>	<b>DC Output</b> – 12V@ 6.60Amps, 80 watts max. <b>AC Input</b> – 100 to 240V @ 1.2Amps (50 – 60 Hz)



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### icountBS Ordering Matrix

Key	Fluid Type		Calibration		Future Option		Future Option	Future Option	Future Option	Transportation Case		Power Supply Region	
IBS	1	Mineral	1	ACFTD	0	Lab unit	0	0	1	0	None	0	UK
			2	MTD	1#	MiniLab Package				1 #	Case	1	USA
	#	Contact Parker for further details										2	Europe

Key	Fluid Type	Calibration	Future Option	Future Option	Future Option	Future Option	Transportation Case	Power Supply Region
IBS	1	2	0	0	0	1	0	0
IBS	1	2	0	0	0	1	0	1
IBS	1	2	0	0	0	1	0	2

Accessories	Part Number
250ml Sample Bottle Kit	ACC6NW001
Sample Bottle Pack (50 x)	ACC6NW002
Vapour / Waste Bottle	ACC6NW003
Waste Bottle Folder	ACC6NW004
Printer Paper Reel (x1)	ACC6NW005
UK Power Supply	ACC6NW006
USA Power Supply	ACC6NW007

Accessories	Part Number
European Power Supply	ACC6NW008
Transit Case	Contact Parker
1m waste tube (clear)	ACC6NW009
1m vapour hose (blue)	ACC6NW010
USB Memory Stick / pen	ACC6NW011
icountBS CD Manual	ACC6NW012

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