



RXR

REXCOR ENGINEERING AND
DIAGNOSTICS (M) SDN BHD

RED—SCR

SERVICE | **C**ALIBRATION | **R**ENTALS



REDSB RENTAL EQUIPMENT INTRODUCTION

One of the most important decisions when choosing to rent equipment is the supplier. With our proven track record already established, REDSB Project Management are a recognised nationwide market leader in Lab Equipment rentals.

Our integrated suite of services can be requested as one of those such elements is our rental equipment, as detailed within this document

REDSB prides itself on our professional staff who are committed to helping our clients by providing rental equipment, for long or short term periods.

Combined within the rental package, REDSB can often also take care of the calibration or repair of your own instrument. Thus allowing you to use a single source supplier, resulting in less hassle and paperwork.

Using strict in-house procedures, all equipment is photographed and checked prior to dispatch to ensure that the instrument is functioning and ready to use.

Within this guide, you will find information on a few of our common rental items.

However, if you find yourself requiring any laboratory equipment not listed hereafter, please do not hesitate to contact one of our team who will be more than happy and willing to help.

For all enquiries please contact us on 011-2831 5570
or e-mail us at sales.admin@rexcor.net

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icountACM20 Lab Unit Aviation Fuel Contamination Monitoring



DEFSTAN 91-91 Issue 6 Jet A-1 Fuel Specification, adopts particle counting.

Development work carried out by the CMC engineers, in conjunction with Exxon Mobil Aviation, highlighted the need for an alternative test method to determine the levels of dispersed contamination in Jet fuel. 5 years of field testing and development of the already established and successful LCM20 Hydraulic Laser Particle Counter saw the introduction of the Parker icountACM20 with enhanced software providing the user with a better understanding of the contamination present in a sample.

As the benchmark particle counter for use in measuring the levels of contamination in fuels, the icountACM20, as per the UK's Energy Institute Test Method IP564, has now been included in the DEFSTAN 91-91 Issue 6 Jet Fuel Specification as a report only test alongside the current Gravimetric test method (IP423 or ASTM D5452) and Clear & Bright Visual test method (IP216 or ASTM D2276)

icountLCM20

Fluid Condition Monitoring

Portable Particle Counter



- icountLCM20 is a proven answer to fluid system contamination monitoring.
- 2-minute test procedure.
- Multi-standard ISO, NAS and AS4059 cleanliness reporting
- Data entry, data graphing and integral printer.
- 6,000 PSI (420 bar) rated maximum pressure.
- Supported by the offline UBS and online SPS accessories.

Test time:	2 minutes
Particle counts:	MTD 4+, 6+, 14+, 21+, 38+ and 70+ microns(c) ACFTD 2+, 5+, 15+, 25+, 50+ and 100+ microns
International codes:	ISO 7-22, NAS 0-12
Data retrieval:	Memory access gives test search facility
Max. working pressure:	6000 psi (420 bar)
Max. flow rate:	106 GPM when used with system 20 Sensors. Higher with single point sampler
Working conditions:	LCM will operate with the system working normally
Computer compatibility:	Interface via RS232 connection @ 9600 baud rate.

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Fluid Condition Monitoring

Portable Particle Counter



For Aggressive Oils such as Phosphate Ester / Skydrol

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icountLaserCM30

Particle Contamination Monitor



Measurement

Part Number	Description
Particle Size Reporting Channels	MTD: >4, >6, >14, >21, >25 ^e , >30, >38 and >70 ^e μm ^e ACFTD: >2, >5, >10, >15, >20 ^e , >25, >50 and >100 ^e μm
Reporting Contamination Standards ⁱⁱ	ISO 4406:Code 0 to 22 NAS 1638 0 to 12 GOST 17216:00 to 17 (consult Parker) SAE AS 4059F Table 1: 00 to 12 SAE AS 4059F Table 2: 00 to 12
Other Test Methods	IP564: determination of the level of cleanliness of aviation turbine fuel Automatic IP564 test mode to include single flush and three repeat tests - average and individual results displayed.
Reporting Repeatability.	Measured Channels: <7% at measured counts for MTD particles size 4, 6 and 14 μm ⁱⁱⁱ
Calibration	MTD: Calibration in accordance with ISO 11943:Section 9 ACFTD: The LCM30 is calibrated against the Master PCM at the particle sizes shown within the specified limits Consult Parker for re-calibration.
Test Time	< 90 seconds in both single and multi-test mode.
Test Modes	Single / Multiple – fully automated.
Moisture Sensor	Compatible with mineral oils only. Relative Humidity (%RH) ±5% RH Stability: +-2% RH typical at 50% RH in one year. Temperature (°C) -25 to +150°C ±0.9%

e = calculated channel (indicated by the letter e on the handset display)

ii = The instrument only uses the shorthand in these standards for reporting contamination levels.

iii = 95% confidence level using an MTD distribution with a concentration of 6mg/L.

icountBSplus

Bottle Sampler for Water-Glycol



CE

Product Benefits:

- Improve safety: avoid contaminated fluids damaging assets by making it quick and simple to check cleanliness.
 - Reduce risk: test as frequently as required to 'catch' sudden changes.
 - Improve maintenance planning: by removing the wait time between sampling and obtaining results.
 - Take the tough decisions with confidence: Nearly 3 decades of Parker experience in fluid condition monitoring gives you laboratory grade results, where you need them, when you need them!
- Reduce human error: the icountBSplus is simple to use, with multiple language, touch-screen guides to help the user.
 - Peace of mind; Tested using all common oil and gas industry water-glycol fluids including: **MacDermid Oceanic HW443,HW540. Erifon HD603HP and Erifon 818. Castrol - Transaqua range. Pelagic 100. Haughton Aqualink 300F.**

Ferrous Wear Meter

Parker Kittiwakes Ferrous Wear Meter (FWM) provides users with a quick, simple to operate method that measures ferrous wear debris in oil samples taken from a variety of types of machinery, including used cylinder scrapedown oil, gear boxes and bearings. Monitoring of ferrous wear levels with your oil samples on an ongoing basis allows any deterioration in machine condition to be quickly spotted and corrective action taken, saving you downtime and money, and preventing more serious damage occurring.

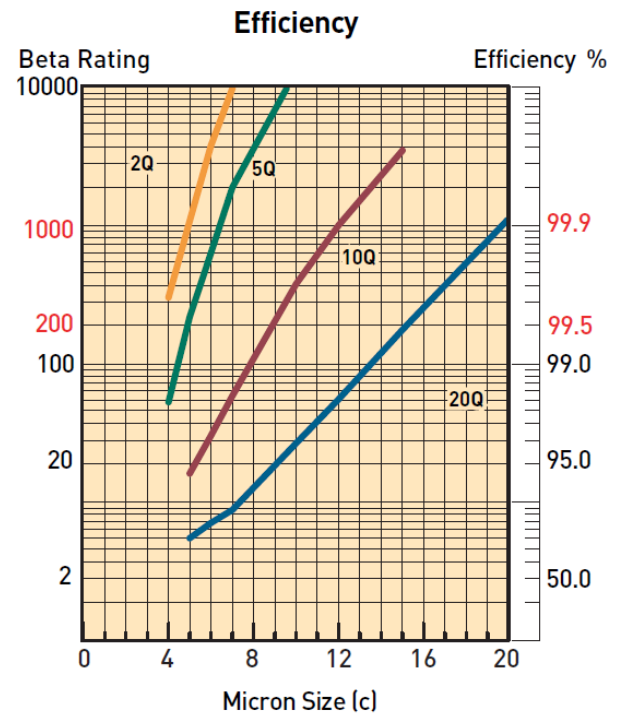


The rugged, simple, easy to use instrument provides instant, accurate measurements of ferrous wear content on the units screen. Contained in a fully portable case, its rugged design is ideal for testing and analysing oil samples both on-board, in the field or in the laboratory.

A sample of oil is placed in the supplied 5 mL test tube and this is inserted into the instrument. No further sample preparation is required and the ferrous debris content is displayed instantly on the easy to read screen, providing you with a quick, simple and clean method of analysis. Simple graphical instructions are displayed on the screen, requiring little or no training for users to operate.

By trending of ferrous wear measurements over time, any increase in wear levels can be monitored and appropriate actions taken to mitigate any damage. Machinery degradation can be observed as it happens and machines serviced as and when they need to be, rather than on a time or hours of operation basis, saving cost and manpower.

Portable Intelli-Cart



Applications

- Filtering new fluid before putting into service
- Transferring fluid from drums or storage tanks to system reservoirs
- Conditioning fluid that is already in use
- Complimenting existing system filtration
- Removing free and emulsified water from a system
- For use with fluids such as hydraulic, gear and lube oils

Reservoir Capacity (Gallons)	Time Required (Hours)	Projected Cleanliness Level (ISO)
50	0.5	20/18/15
50	1.0	17/15/12
50	2.5	16/14/11
100	1.5	18/16/13
100	2.5	17/15/12
100	4.0	16/14/11
200	2.5	19/17/14
200	3.5	18/16/13
200	5.0	17/15/12