

# FLUID CONDITION MONITORING

## ICOUNT LASER

### PORTABLE PARTICLE COUNTER

A 2-minute contamination test procedure:

A portable particle counter designed to be used in the field.

icountLaserCM20 is a proven answer to fluid system contamination monitoring offering a 2 minute test procedure. Multi-standard ISO and NAS cleanliness reporting, data entry, data graphing and integral printing are all standard on this world proven contamination monitor.



### PRODUCT FEATURES:

- icountLaserCM20 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
- 420 bar rated maximum pressure
- Supported by the offline UBS and online SPS accessories

### FEATURES & BENEFITS

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	420 bar
Max. flow rate	400 l/min when used with system 20 Sensors. Higher with single point sampler.
Working conditions	LaserCM will operate with the system working normally
Computer compatibility	Interface via RS232 connection at 9600 baud rate.

- Special 'diagnostics' are incorporated into the icountLaserCM microprocessor control to ensure effective testing
- Routine contamination monitoring of oil systems with icountLaserCM saves time and saves money
- Contamination monitoring is now possible during application operation - icountLaserCM saves on production downtime
- Data entry allows individual equipment test log details to be recorded
- Data retrieval of test results from memory via hand set display
- Automatic test cycle logging of up to 300 tests can be selected via hand set display
- Totally portable, can be used as easily in the field as in the laboratory
- Automatic calibration reminder
- Instant, accurate results achieved with a 2 minute test cycle
- Data entry allows individual equipment footprint record. Data graphing selectable via the integral printer
- Auto 300-test cycle logging via LCD handset input. RS232 to USB computer interface
- Limit level output to control peripheral equipment such as off-line filtration via internal relay limit switches
- Auto-testing allows for the conducting of automatic sequencing tests on flushing systems for example
- Optional bar code swipe wand to allow handset data loading
- Worldwide service and technical support
- Re-calibration - Annual certification

### TYPICAL APPLICATIONS

- Construction machinery Industrial plant
- Hydraulic equipment and system manufacturers
- Research and testing institutes, offshore, power generation and marine
- Military equipment applications

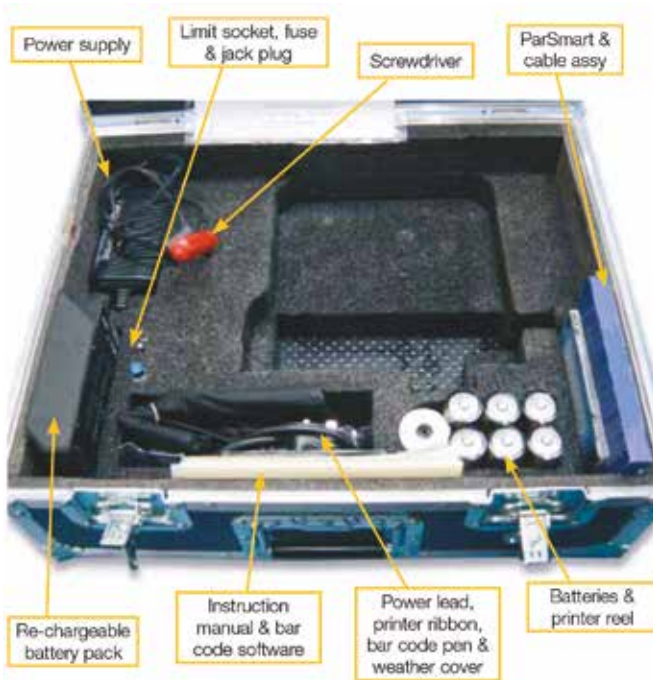


# FLUID CONDITION MONITORING

## ICOUNT LASER

### Data download management

Dedicated software, provides the link between an icountLaserCM20 and the H2Oil - Water in Oil monitor and your computer management system.



icountLaserCM Test	
ON LINE TEST	
TEST NUMBER 022	
D M Y	
Date	04-03-10
Time	15-52
ISO:	20/15/09
Count / 100ml	
>4µ (c)	820721
>6µ (c)	31564
>14µ (c)	314
>21µ (c)	64
>38µ (c)	14
>70µ (c)	0
NOTES	

ISO 4406 - 1999

icountLaserCM Test	
ON LINE TEST	
TEST NUMBER 022	
D M Y	
Date	04-03-10
Time	15-52
NAS CLASS:	7
Count / 100ml	
4/6µ (c)	789157
6/14µ (c)	31250
NAS CLASS	7
14/21µ (c)	250
NAS CLASS	3
21/38µ (c)	50
NAS CLASS	3
38/70µ (c)	14
NAS CLASS	4
>70µ (c)	0
NAS CLASS	0
NOTES	

Correlation to NAS 1638

