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icountLaserCM30 - Portable Particle Monitor

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The Parker icountLCM30 is a next generation fluid system contamination monitor offering an under 90 second test procedure that reports particle micron size and distribution.

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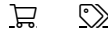
Technical Specifications

<p>Options: n/a</p> <p>Seal Material: Fluorocarbon</p> <p>Product Type: Single Point Sampler</p> <p>Electrical Connection: n/a</p> <p>For Fluid Type: Mineral-based Oils and Petroleum-based Fuel</p> <p>Calibration Type: n/a</p> <p>Brand: Parker</p> <p>Division: Hydraulic & Industrial Process Filtration Division EMEA</p> <p>Industry: Industrial & Chemical Processing, Industrial Manufacturing Equipment</p> <p>Application: Airplanes, Forwarders, Excavators, Harvesters, Power Packs, Waste Balers, Reach Stackers, Wheeled Loaders, Hydraulic Presses, Drilling Equipment, Marine Steering Units, Industrial Power Units, Deck and Mobile Cranes, Municipal Service Equipment</p> <p>Technology: Filtration, Hydraulics</p> <p>Product Type: Condition Monitor</p> <p>Product Style: Particle Detector/Counter</p> <p>Operating Pressure: 2 to 420 bar, 29 to 6000 psi</p> <p>Flow Rate: n/a L/min</p> <p>Port Size: M16</p> <p>Port Type: Metric</p> <p>Operating Temperature: +5 to +40 °C, +41 to +104 °F</p>	<p>Minimum Fluid Temperature: 5 °C, 41 °F</p> <p>Maximum Fluid Temperature: 80 °C, 176 °F</p> <p>Operating Humidity: n/a</p> <p>Sensing Method: Pressure Compensated Flow Control</p> <p>Accuracy: n/a %</p> <p>Electrical Requirements: n/a VAC</p> <p>Communication Interface: n/a</p> <p>Signal Output: n/a</p> <p>Cycle Time: < 90 seconds in both single and multi-test mode.</p> <p>Specifications Met: CE Certification</p> <p>Ingress Protection Rating: IP54</p> <p>Body Material: Aluminium, pressurised end stainless steel, Anodised finish</p> <p>Weight: 0.5 kg</p> <p>Height: 53 mm</p> <p>Length: 123 mm</p> <p>Width: 45 mm</p>
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[Safety Warning](#)

Item Information

The Parker icountLCM30 is a next generation fluid system particle contamination monitoring offering an under 90 seconds test procedure. Multi-standard ISO, NAS, AS and GOST cleanliness reporting, data entry and integral printing are all featured on this next generation contamination



Hydraulic fluid cleanliness plays a critical role in the performance and reliability of industrial equipment. Fluids with high levels of contamination and/or solid particulate matter can damage system components, such as pumps, actuators, or servo valves, leading to shorter maintenance intervals, added downtime, and increased costs

Products

The Parker iCount LaserCM portable particle contamination monitor is a user-friendly field diagnostic device that provides service personnel with the capability to quickly and easily assess the cleanliness of the hydraulic fluid or oil in a wide range of applications. The particle monitor can be utilized while machinery is in operation and is equipped with a number of intuitive features to accommodate users' unique requirements, including ISO/NAS/AS standard cleanliness reporting, data entry, built-in memory storage, and an integral printer.

Support

The iCount LaserCM features microprocessor-controlled optical scanning for accurate contaminant measurement with a calibration range from ISO 22 with no monitor saturation. The particles are measured by a photo diode that converts light intensity to a voltage output, which is recorded against time. As the particle moves across the window, the amount of light lost is proportional to the size of the particle. This reduction is measured and stored in the iCount LaserCM computer in one of six channels according to particle size. Additional sizes are calculated for reference purposes. Readouts are displayed on the hand-held LCD in the accepted ISO/AS and NAS standards ready for hard copy printout or 232 computer download. The on-board computer allows storage of up to 1000 test results.

The iCount LaserCM's compact, user-friendly design and ease of use set it apart from other portable particle monitors on the market. Operating the device is as simple as pressing the start button on the handset. The test procedure is automatic and takes less than 90 seconds to complete.

Also available are the Parker iCountPD for inline continuous particle detection, and the iCountOS.

For additional information, consult the iCount LaserCM documentation in the "Related Documents" section.

Features & Benefits

- 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 99 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, reproducible results achieved with a test cycle in under 90 seconds.
- Auto-testing allows for the conducting of automatic sequencing tests on flushing systems for example.
- Worldwide service and technical support.
- Re-calibration - Annual certification by an approved Parker Service Centre.

NOTE: Part numbers with regional suffixes relating to the appropriate power lead for that region are now obsolete. Part numbers with no suffix contains UK-EU_US power plug. Regions that require an AU regional style plug will need to add a ACC6NA011 - AU Power Lead Plug.

CAD Drawings + Files



Related Documents



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