



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Diagnostic tools and condition monitoring solutions



ENGINEERING YOUR SUCCESS.

Professional tools for condition monitoring and diagnostics



The efficiency of your machines and systems is determined to a large extent by routine status checks of the oil, monitoring the whole of the circulatory system, fault recognition and reliable diagnostics.

As the world's leading supplier of hydraulic components Parker offers you a complete programme of equipment for condition monitoring and diagnostics. Unequalled technology and precision. Sophisticated, reliable and user friendly. Harmonised devices with finely tuned technology and software. Everything from a single source. You will have difficulty finding fit for purpose products. Put us to the test!

Monitoring Products

Innovative – efficient

- Parker Fluid Condition Monitoring equipment provides OEMs and end users with proven solutions in many industries.
- Hand-held monitors provide end-users with oil condition monitoring.
- Portable particle analysers support users predictive maintenance programmes.
- In-line sensors help protect systems against the effects of moisture in fluid systems.



OilCheck – The hand-held monitor that detects and measures the dielectric constant of oil.

- Detection of mechanical wear and any loss of lubricating properties with a repeat accuracy of more than 95%.
- Quick and exact.
- Costly laboratory analysis becomes redundant.
- Fast analysis by comparison with unused oil samples.
- Numerical display of positive and negative increases in dielectrics.
- Portable and easy to operate
- Robust quality.

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icount LCM20 – The portable particle analyser.

- Laser measurement.
- High repeat accuracy.
- EPROM data programming.
- Automatic test schedules.
- Data-retrieval.
- Alarm level settings.
- Barcode pen.
- Graph printing functions.
- Reducing costly machine downtimes.
- Effective and predictive maintenance.

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icountFPS – A sensor for the measurement of real-time fluid properties.

- A fully integrated, stand-alone module combining sensor and processing electronics.
- Simultaneous Measurement of Viscosity/Density/Dielectric Constant/Temperature.
- Digital output as per J1939, CAN2.0B.
- Supply voltage 5, 12, 24 volts.
- Construction to IP68, vibration tested.
- A cost effective solution to fluid management and contamination monitoring.
- Rugged construction for high pressure and high flow environments.

- Proprietary corrosion and contamination resistant coating for wetted parts.

Consult Parker Filtration www.Parkerhfde.com



icountPD – The on-line particle detector.

- Continuous measure of oil cleanliness.
- State-of-the-art integrated, laser-based technology.
- Calibrated by recognized online-methods.
- Prolonging fluid life.
- Reducing costly machine downtimes.
- LED display indicators to monitor system contamination trends.
- M16 x 2 Minimes couplings for easy connection to standard hydraulic test points.

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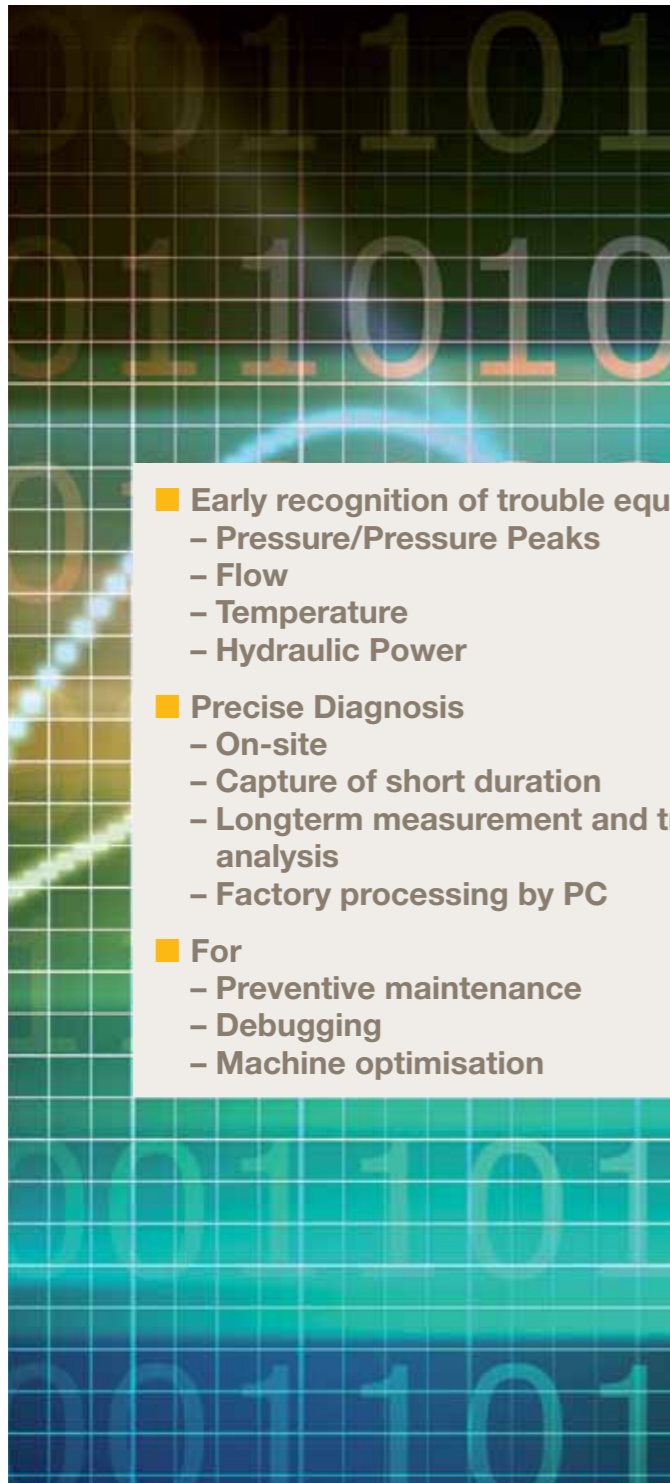
MS200 – 'Programmable' Moisture Sensor for early warning of hydraulic contamination.

- Compact and lightweight.
- Easy and quick installation and set-up.
- Wide range of applications: paper mills, car body panel pressing and many more.
- Prevention of abrasion and breakdown of the components.
- Efficient reduction of costs for maintenance and repair.

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SensoControl

Differentiated and exact analysis – always actual!



- **Early recognition of trouble equipment**
 - Pressure/Pressure Peaks
 - Flow
 - Temperature
 - Hydraulic Power
- **Precise Diagnosis**
 - On-site
 - Capture of short duration
 - Longterm measurement and trend analysis
 - Factory processing by PC
- **For**
 - Preventive maintenance
 - Debugging
 - Machine optimisation

ServiceJunior/ ServiceJunior wireless

The ServiceJunior measures and displays pressure in one instrument. Pressure peaks are securely captured at a scanning rate of 10 ms. The ServiceJunior wireless allows you to comfortably record the pressure values taken from one or several measurement points on your machine or installation. Stored measurement data is transmitted to a PC across distances of up to 150 meters.

- Back-lit measured value display.
- Accuracy $\pm 0.5\%$ FS.
- Pressure peaks captured by displaying MIN/MAX reading.
- Graphic display with bar graph (trailing indicator), peak & hold function.

Additional features ServiceJunior wireless:

- Measured data memory for storing pressure sequences.
- Network operations: monitor up to 16 measurement points.
- Read-out data from measured data memory to the PC via a radio interface.
- Set and evaluate measurement data using PC software JuniorWin.

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Serviceman

The Serviceman has 2 inputs for pressure, temperature and flow sensors. This enables for example a differential pressure measurement by pressing only one key. Pressure peaks are easily captured and analysed.

- Easy operation.
- Prevention of measuring errors due to automatic sensor recognition.
- Two-line display.
- Pressure peak measuring in 2 msec.

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The Parker Service Master Easy

Measurement, display and storage of up to four pressure, flow and temperature values simultaneously. Peaks, differential values, addition or hydraulic power are very easily analysed.

- Rapid fault diagnosis = high quality maintenance.
- Pressure peak measurement 1 msec.

- Measured value storage to record sequences with various storage functions (auto trigger, start-stop, etc.).
- USB PC interface.
- Setting and evaluation of measurement data with SensoWin® software.

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The Parker Service Master Plus

This high-end instrument with its innovative and unique features is aimed at the future and is available worldwide.

- Analogue, CAN, LAN and USB interfaces.
- Measured value presentation: numerical, bar graph, pointer, curve graph.
- Measurement and display of 50 channels and more.
- Measurement data are automatically displayed, stored and directly analysed with the proven SensoWin® PC software.

- Remote monitoring via LAN, regardless of location.
- Everything is measured, stored, monitored and analysed – pressure, differential pressure, temperature, flow and hydraulic power.

- Up to 4 million measured values per measurement. Total measured value storage for more than 1 billion measured values.
- Extensive choice of trigger methods.

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