

Oil Q1

Portable Oil Quality Analyser

The Ankersmid OIL Q1 is a portable optical particle counter that is designed to monitor the trend of your system fluid cleanliness. The instrument gives an immediate result of the oil cleanliness according to ISO 4406. In addition the temperature is also monitored, and the dissolved water content of the fluid can be displayed in % saturation.

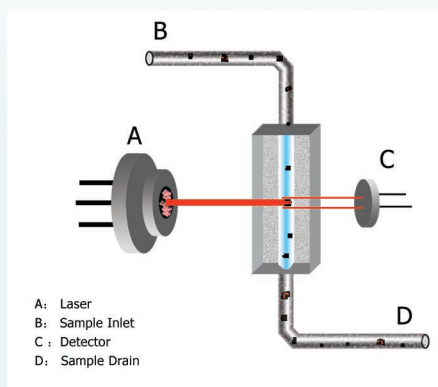
The Oil Q1 is a versatile instrument that can be used for different applications. There are two different versions. An online version for online trend monitoring and portable measurements at sample points; and a lab version which is an offline analyzer with built-in pump used for bottle sampling.

An internal memory stores all measurements automatically, these results can be downloaded and analyzed with the multilingual Oil Quality viewer software. Sample location identification can be changed via the integrated keypad.



At least 75% of failures in hydraulic systems are due to contamination. OIL Q1 offers an affordable, easy to use system for analyzing the cleanliness levels of your hydraulic systems and fluids. Analyzing particles, temperature and water in oil.

Characteristics



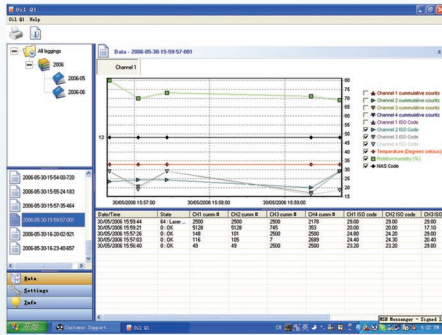
FEATURES

- Particle counting according ISO 4406 – NAS 1638
- Water content (% saturation)
- Laser Light Blockage Technology
- Data logging
- Logging, Trending and Reporting software
- High pressure and temperature capabilities
- Automatic flow control

APPLICATIONS

- Proactive Maintenance
- System monitoring
- Identify maintenance cycles
- Schedule repair periods
- Online system cleanliness
- Portable sampling
- Bottle sampling

Oil Quality 1 Viewer: Analysis and reporting software



Operates with MS, Windows 95/ Windows NT4.0/ Windows XP
The Oil Quality 1 Viewer software is intuitive and easy to operate

Results are reported in particles counts, NAS code and ISO codes

Results are displayed in table and graph format

Raw data can be stored and exported in CSV format

SPECIFICATIONS

Display:	ISO Codes >4µm, >6µm, >14µm, >21µm, Temperature, water content % (option)
Light Source:	Laser Diode
Analysis method:	Laser Light Blockage Technology
Calibration:	ISO 11171 & ISO 11943 option available
Sampling:	Online continuous/ Online Portable Test Point Sampling
Sample runtime:	30 sec (programmable)
Delay time:	10 sec (programmable)
Reproducibility:	± 1/2 ISO code
Power:	230 v AC / 50 Hz
Communication:	RS232
Reports:	Particles/ml, ISO codes, NAS code (via software), Temperature, Water (%)
Data Logging:	1000 Samples
Pressure:	10 – 350 bar
Flow Rate:	Automatically controlled via integrated pressure inhibitor
Viscosity:	2 cSt (32 SUS) & greater
Fittings:	JIC 9/16" - 18 UNF
Temperature:	-20 to 60°C ambient; -20 to 85°C fluid
Weight:	9.5 kg
Dimensions:	w 460 mm, d 165 mm, h 300 mm (incl. handle)
Compatible fluids:	Hydraulic & Lubrication Oils, Mineral & Synthetic Phosphate Ester Optional

Bottle Sampling: Optional

Moisture sensor

Calibration Accuracy:	± 2% RH
Thermal Stability:	± 1% RH (over compensated temperature range +10 to +80°C)
Stability:	± 1% RH typical at 50% RH in 5 years
Linearity:	± 0.5% RH typical
Response time:	15 sec in slow moving air at 25°C

Ankersmid International
De Wetering 25-27
4906 CT Oosterhout, The Netherlands
Tel: +0031 162 451 800
fax: +0031 162 454 163

Ankersmid Israel
Star of Yokneam Building/ P.O. Box 521
20692 Yokneam Israel
Tel: +9 724 993 7590
Fax: +9 724 993 7592

Ankersmid Belgium
Neerlandweg 22A
BE-2610 Wilrijk Belgium
Tel: +32 3 230 64 48
Fax: +32 3 230 98 58

Ankersmid Romania
Emil Botta Street 4
031074 Bucharest Romania
Building M104/1 Floor 1, app 8 District 3
Tel: +4021 326 26 25
Fax: +4021 326 26 25

Ankersmid France
6, rue Jacques de Vaucanson
F-60200 Compiègne
Tel: +33 3 44 42 66 19
Fax: +33 3 44 85 24 72

Ankersmid China
Suite 5F1, Zao Fong Universe Building
1800 Zhongshan Road West
Shanghai 200235 PRChina
Tel: +86-21-6440 3331
Fax: +86-21-6440 1102

Ankersmid U.S.A
6 Great Meadow Lane
East Hanover, New Jersey 07936
Tel: (973)887-7800
Fax: (973)887-8447

Ankersmid GmbH
Eichsfelder Straße 23
40595 Düsseldorf
info@ankersmid.de