Pall Corporation

Pall® PCM400 Series Fluid Cleanliness Monitor

The PCM400 is specifically developed as a portable diagnostic monitoring device that provides a measurement of system fluid cleanliness

Benefits

As part of component / system cleanliness 'pass off' checks or predictive maintenance programs, the PCM400 monitor quickly reports test data so that ongoing assessments can be made.

Early detection of abnormal fluid cleanliness allows for timely investigation and corrective actions to be implemented.

The PCM400 can be permanently installed to monitor critical applications (including component test facilities) or used as a portable device for routine condition monitoring of various fluid systems.

PCM400 Monitor Features

- Proven mesh blockage technology
- Results not affected by water or air
- Monitors dissolved water content (% saturation or PPM output for specific fluids (PCM400W only))
- High and low pressure on-line or off-line sampling
- Continuous monitoring
- 500 test memory
- ¼" test point hose connection
- PC-based trending software included
- Viscosity output in centistokes (cSt)
- Real time graphical representation

Operation

A detachable hand held touch screen programmer allows for simple menu driven input of sample identification, monitor configuration and data output in either ISO 4406, SAE AS 4059 Table 1 (previously NAS 1638) or SAE AS 4059 Table 2 formats.
The hand held programmer display shows real time data and test results which are automatically stored for subsequent trending and evaluation. The optional infra-red controlled printer allows the operator to produce a hard copy of the test results if required.

PCM400 Cleanliness Monitor

Applications

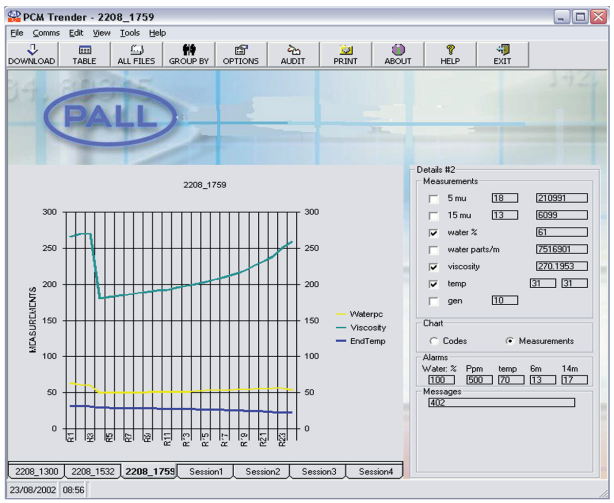
- Component wash fluids
- Cutting fluids
- Aqueous solutions
- Coolants
- Water glycols
- Mineral and synthetic oils
- Hydraulic and lubricating fluids
- Fuels

PCM Trender Software Features

- Graphical and spreadsheet reporting
- Trending capabilities
- Customer defined alarm limits
- Printable reports

Specifications

Power supply:	90-230 VAC or integral 19 VDC battery
Temperature:	10 °C to 80 °C (50 °F to 176 °F)
Compatibility:	Water glycols, aqueous solutions. Petroleum and synthetic oils (hydraulic lubricating, dielectric, etc.) fuels, industrial phosphate esters.
Seals:	Fluorocarbon
Operating viscosity:	1.5 to 450 cSt (30 to 2,200SUS)
Pressure:	0 to 315 bar (4568 psi) max
Monitoring range:	ISO 4406: -/9/7 to -/21/17 SAE AS 4059 Table 1 Class 1 to 12 (derived from NAS 1638) SAE AS 4059 Table 2 Class >6 µm 1B to 12B >14 µm 1C to 12C
Accuracy:	± 1/2 ISO code
Output:	RS232
Enclosure:	IP 65 (NEMA 4)
Weight:	10.8 kg (24 lb)
Dimensions:	340 x 240 x 265 mm (14 x 10 x 10 inches)



Trender Software

Ordering Information

This is a guide to the Part Numbering structure only, for specific options, please contact Pall

PCM400 [1] [2] [3] [4]

Table 1: Water Sensor

Code	Description
None	No Water Sensor fitted
W	Water Sensor fitted

Table 2: Fitting Type

Code	Description
M	¼" BSPP Female Swivel fitting to metric test point
I	¼" BSPP Female Swivel fitting to imperial test point
U	¼" NPT fitting and end cap

Table 3: Mains Lead

Code	Description
A	UK Power Lead
B	European Power Lead
C	USA Power Lead
D	Australian Power Lead
E	Japanese Power Lead

Table 4: Language

Code	Description
DA	Danish
DE	German
EN	English
ES	Spanish
FR	French
IT	Italian
NL	Dutch
NO	Norweigian
SV	Swedish

Printer Kit and Accessories

PCM400-PRT [3]

Pall Corporation

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Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid.

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