

New: PCM500 Series Fluid Cleanliness Monitor for Low Viscosity Applications

Expanding the range of PCM500 fluid cleanliness monitors, the PCM500 X357 measures the cleanliness of system fluids with viscosities between 0.5 and 80 cSt. This enables accurate cleanliness results to be gathered from traditionally difficult to monitor fluids.

Fluid applications include:

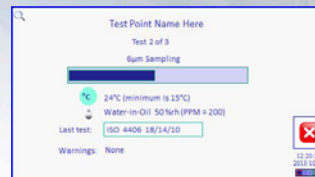
- Machine coolant fluid
- Washing fluids
- Deionised water
- Automatic transmission fluids
- Machinery and equipment test fluids

Specifications

Power supply:	90-260 VAC or integral 12 VDC Lithium Ion battery
Battery life:	Typically 35 samples
Temperature Range:	10 °C to 80 °C (50 °F to 176 °F) (dependent on fluid type)
Compatibility:	Water glycols, aqueous solutions. Petroleum and synthetic oils (hydraulic lubricating, dielectric, etc.), fuels, industrial phosphate esters, DI water
Seals:	Nitrile
Operating Viscosity:	0.5 to 80 cSt (29.5 to 365 SUS)
Pressure:	0 to 315 bar (4570 psi) max
Monitoring range:	ISO 4406: <11/9/7 to 23/21/17 SAE AS 4059 Table 1 Class 1 to 12 (derived from NAS 1638) SAE AS 4059 Table 2 >4 µm 1A to 12A, >6 µm 1B to 12B >14 µm 1C to 12C
Accuracy:	± 1/2 ISO 4406 Code
Communication Ports:	3 x USB's (Data Acquisition, PC Setup, Printer), Ethernet and RS232C (PLC Control)
Enclosure:	IP 65 (NEMA 4)
Weight:	11 kg (24 lb)
Dimensions:	400 x 260 x 250 mm (15.8 x 10.2 x 10 inches)



PCM500 X357
Fluid Cleanliness
Monitor



Real time data is displayed during test to show progress



Multiple test data can be stored and displayed for subsequent analysis and download

Operation

The color LCD touch screen allows simple menu driven input of sample identification, monitor configuration and data output.

The HD screen displays real time data and test results which are automatically stored for subsequent trending and evaluation. An optional bluetooth connected printer allows the operator to produce a hard copy of the test results if required.

All ancillary components for high and low pressure on-line sample monitoring are contained within the unit, with sufficient internal power to complete up to 35 tests between charges. (AC power can be used if preferred).

For further protection and ease of transport, the PCM500 is supplied in a robust flight case.



Ordering information

Please select from the following part number options only.

PCM500 M A X357

PCM500 M B X357

PCM500 M D X357

PCM500 U B X357

PCM500 U C X357

1 2

References 1 2 refer to tables below.

Table 1: Fitting Type

Code	Description
M	1/4" BSPP Female Swivel fitting to metric test point
U	1/4" NPT fitting and end cap

Table 2: Power Lead

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

Printer Kit and Accessories

PCM500-PRT



Pall Corporation

Pall Machinery and Equipment

25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 800 289 7255 toll free US

Portsmouth - UK
+44 (0)23 9233 8000 telephone
+44 (0)23 9233 8811 fax
industrialeu@pall.com


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