



Pall Corporation

## PCM400 series portable cleanliness monitor

The Pall® PCM400 is specifically developed as a portable diagnostic monitoring device that provides an assessment of system fluid cleanliness.



PCM400 Cleanliness Monitor

### Benefits

As part of continued component 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.

### 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, NAS 1638 or SAE AS 4059 formats.

The hand held programmers display shows real time data and test results which are automatically stored for subsequent trending and evaluation.

### PCM400 monitor features

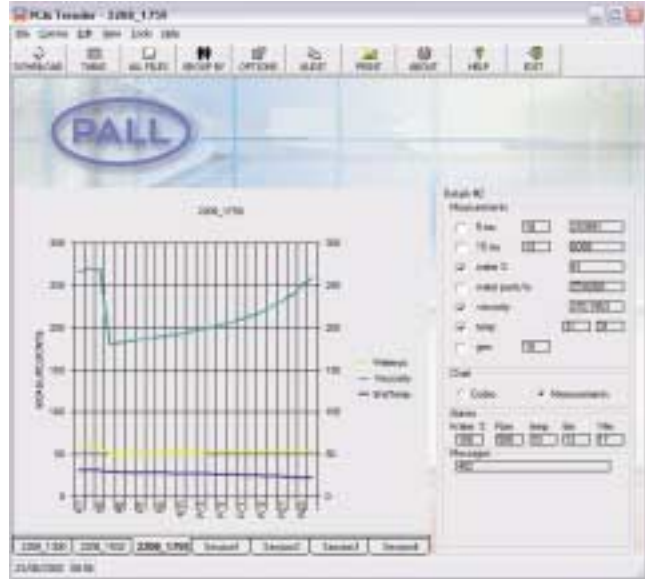
- Proven mesh blockage technology
- Results not affected by water or air
- Monitors dissolved water content (% saturation or PPM output for specific fluids (PCM400W only))
- High and low pressure on-line or off-line sampling
- Continuous monitoring
- 500 test memory
- ¼" BSP or test point hose connection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

### Applications

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

## 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
Range:	ISO 4406: 9/7 to 21/17 NAS 1638: 1 to 10 @ 5-15 µm SAE AS 4059: >6 µm 1B to 10B >14 µm 1C to 10C
Accuracy:	± 1/2 ISO code
Output:	RS232
Enclosure:	IP 65 (NEMA 4)
Weight:	10.8 kg (22 lb)
Dimensions:	340 x 240 x 265 mm (14 x 10 x 10 inches)



### PCM Trender software features

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

### Ordering Information

Pall Part Number	Description
PCM400W	Portable Cleanliness Monitor with integrated water sensor for use with non-aqueous fluids (Petroleum based fluids, industrial phosphate esters, mineral/synthetic oils).
PCM400	Portable Cleanliness Monitor (without water sensor) for aqueous fluids (wash fluids @ pH<11.0, water glycols, cutting fluids)




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