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PASSION TO PERFORM

COMPACE CONTRACT CON

ANY SYSTEM ANY TIME ANYWHERE



Find out more: www.mpfiltri.co.uk

Designed, engineered & manufactured by MP Filtri UK

CML4

A compact and portable contamination monitor that delivers a fast, accurate assessment of contamination in the field and is the perfect solution for the mobile, construction and plant hire sectors.

Easy to master, the new CML4 features cutting-edge contamination control technology to anyone wishing to protect their critical systems.

The CML4 features a metering pump which enables analysis of both 'live' and unpressurised systems, delivering comprehensive contamination checks on any machine in any condition.

FIVE KEY REASONS CML4 WILL TRANSFORM YOUR

CONTAMINATION CONTROL STRATEGY

PORTABILITY

SIMPLICITY

INTUITIVE

Compact and light. Work all day on a single battery charge.

Straightforward enough for anyone to use. On screen prompts - no formal training required.

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Full colour touchscreen interface. Simple software for sophisticated results.

FLEXIBILITY

Measures pressurised and unpressurised systems.

ACCURACY

LED technology. \pm 1/2 code for 4, 6, 14µm(c).

 \pm 1 code for larger sizes.



Measure anywhere, any time! The built-in pump enables operators to work on both pressurised and

Oil can be tested from samples.

unpressurised systems.

High Pressure Sampling Up to 350 bar / 5076 PSI.

Memory capacity Store up to 4000 results.

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Connectivity Integrated USB C port.

As tough as you need IP65 rating for enhanced protection.

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Compact and portable Easy to store and carry at just 14" (35cm) wide.

Visit: www.mpfiltri.com / www.mpfiltri.co.uk

EASY AS 1-2-3

Using the CML4 is as easy as 1-2-3 with just three stages required to take you from connecting up your portable contamination monitor to the oil sample and then accessing real-time results through to long-term trend analysis and proactive maintenance.



CONNECT YOUR OIL / HYDRAULIC FLUIDS

The first step is simply to connect the CML4 to an Online Minimess test point (pressure range 2-350 bar / 29-5076 psi) or to the applications reservoir (zero pressure). The CML4 features a self-priming metering pump which enables analysis of unpressurised systems. Easy-fit standard hydraulic connections maintain high environmental protection ratings.



Suction connection and waste outlet in use





Electrics

- A: USB data stick download port
- B: USB C PC connection port
- **C:** DC charging port **D:** Power on/off with built in bi-colour LED
- Hydraulics
- E: Pressure connection port
- F: Suction connection port
- G: Waste outlet

Hand-held Bluetooth printer

Should you need to output a physical analysis report there is an option to use this hand-held printer as part of the analysis process for instant hard copy results.

This lightweight and compact unit (just 185 x 120 x 50mm) can be easily connected to the CML4 via Bluetooth. It offers high-speed, low-noise, black and white printing using thermal printing technology with a print width of 48mm onto a 15mm core paper roll.

This portable printer comes equipped with a large capacity rechargeable lithium battery to guarantee power for extended working in the field.



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ACCESS REAL-TIME ONBOARD RESULTS

The CML4 shows real time results on its high-resolution display. Designed for simplicity the software allows new users to get up and running in minutes without the need for formal training.



Intuitive bespoke software system



CONNECT TO CMP VIEW FOR TREND ANALYSIS

Results can be downloaded onto a USB Data Stick and transferred to a PC, or you can connect directly to the computer via a USB C connection. CMP View software enables operators to analyse data over time, opening up the potential for long-term trend monitoring and preventative monitoring strategies.



Easy to use interface

Simple yet sophisticated software with a highly-responsive touch-screen, designed to deliver bright visuals for outside working in sunny conditions, and an intuitive home screen enabling you to view all your key performance information at a glance.

The CML4 can be mastered without the need for formal training and enables operators to begin measuring the condition of hydraulic oils in a matter of minutes.

The 7" high-resolution touchscreen display delivers fast, accurate results in a wide variety of reporting standards. You can also set languages, alarms and tolerance limits at the tap of the screen.

Contamination Limits ISO 4406	 ₽
): >4 >6 >14 >21 >25 >38 >50 >70 RH%] a €
	LPA3 CVC4
Leave empty for "no limit".	
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Created in-house especially for MP Filtri's range of contamination monitors, the award-winning CMP View is the most advanced software of its type in the industry.

Results and analysis can be viewed at-a-glance on a single screen in a variety of different graphical formats, tracking not just trends in particle contamination but also relative humidity, as well as temperature levels.



0	CALIBRATION DUE 2	023-09-24 : 89 DAYS REMA	INING
	Water Content (RH)	EN Language	*
	02023-06-26 8:46:40 UTC	Simulation	
	X Diagnostics	Printing	
	Contamination Limits		
		হি	₽

The perfect portable contamination monitor

Rugged and robust, the CML4 thrives in the most challenging working conditions. Compact and portable, it's ideal in the field, while a long-life battery enables the operator to work all day without the need for recharging.

Effective hydraulic healthcheck

Quickly identify levels of contamination in systems, the CML4 is an ideal tool for operators who need to ensure their hydraulic systems are always functional.

Any system, anytime, anywhere

The inclusion of an in-built, self-priming pump means it can analyse particle contamination in both pressurised and unpressurised systems, making it an ideal tool for service engineers.

Boosting your business

Featuring predictive maintenance technology, the CML4 flags up potential problems before they impact on performance. This delivers such key benefits to your business as: reduced downtime, lower operating and service costs, and longer lifespans of machinery.

CML4 Specification

echnology	High precision LED light extinction au		
article Sizing	>4, >6, >14, >21, >25, >38, >50, >		
eporting Standards	ISO 4406 NAS 1638 AS4059 Rev E, Table 1 AS4059 Rev E, Table 2 AS4059 Rev F, Table 1 AS4059 Rev F, Table 2 GBT 14039 GJB 420 B GOST 17216		
ccuracy	\pm 1/2 code for 4, 6, 14µm(c) \pm 1 code		
alibration	Calibrated with ISOMTD in accordance		
iscosity Range	Up to 400cSt		
luid Temperature	Minimum: +5°C/+41°F Maximum		
mbient Temperature	Minimum: -10°C / +14°F Maximu		
perating Pressure	Offline: Maximum 2 bar / 29 PSI On		
loisture Sensing	$\%$ RH (Relative Humidity) $\pm 3\%$		
emperature Measurement	±3%		
ata Storage	Up to 4000 tests		
nvironmental Protection	IP65 (Lid closed) IP54 (Lid open)		
ower	Lithium-lon rechargeable battery		
attery Life	8hrs approx		
/eight	8.5 kg / 18.5lbs*		
roduct Dimensions	Width: 350mm / 13.8" Height: 149		

* Weight is for the unit only

Key industry sectors



Portable and precise, the CML4 is ideal for applications where accuracy is vital even in challenging and variable conditions.

Mobile



Construction Keeps your fleet and key operational machines at peak performance without the risk of unplanned downtime.



Industrial Keeps production lines working at full capacity – ensuring the best in performance and productivity.



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Plant hire Delivers peace of mind after servicing and after the vehicle is rented to customers.

utomatic optical contamination monitor

>70 µm(c)

de for larger sizes ice with ISO 21018 - Part 1 and Part 4

m: +80°C / +176°F

um: +60°C / +140°F

nline: Maximum 350 bar / 5076 PSI

9mm / 5.8" (not including handle) Depth: 155mm / 6.1"



Injection moulding Ideal for precision tooling, injection moulding, presses and power packs -

supports a wide range of industries.

CML4 How to order

Order	example	CML4	W	0	М	00	1
Serie	S						
CML4	Light extinction contamination monitor						
Mois	ture Sensor						
W	With moisture and temperature sensor						
Desi	gn Reference						
0	Standard option						
Fluid	Compatibility						
Μ	Mineral oil and synthetic fluids						
Desi	gn Reference						
00	Standard option with full accessory kit and carry bag						
Coun	try Plug Type						
1	UK						
2	US						
3	EU						

482.016000 Optional Bluetooth Printer available.

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All information stated in this brochure is correct at time of printing and subject to change without notice.

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