

CML4

The purpose of this guide is to introduce the CML4 Portable Contamination Monitor and help you get started quickly and easily. We map the key areas of the interface and machine layout and take you through sample testing of both pressurised and unpressurised systems. Full instructions and support are available in the Operator's Manual at mpfiltri.com

HYDRAULIC CONNECTIONS



Pressurised system (online) mode (high pressure) M16 x2 test point

Offline suction inlet quick-release coupling

Waste/return outlet quick-release coupling



Power switch and charge status LED

DC charging port

USB C Connection port

USB data stick download port

HEALTH AND SAFETY

Do not operate, maintain or carry out any procedure before reading the Operator's Manual. It is also important to comply with the current regulations related to occupational accident prevention and safety in the workplace.

Any individual operating the unit shall wear the following Personal Protective Equipment: Eyewear; Safety shoes; Gloves; Overalls (or other suitable protective clothing).

SUPPORT MATERIALS

MP Filtri is dedicated to offering comprehensive customer support with multimedia guides designed to help you master the device quickly and easily. You can find all the tools you need at our website: www.mpfiltri.com

A full Operator's Manual is available as well as a walkthrough video taking users through each step of the process for both pressurised and unpressurised system testing.

TECHNICAL SPECIFICATION

Particle Sizing

>4, 6, 14, 21, 25, 38, 50, 70 μm

Reporting 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

Accuracy

$\pm 1/2$ code for 4, 6, 14 $\mu\text{m(c)}$

± 1 code for larger sizes

Dimensions

Width: 350mm / 13.8"; **Height:** 149mm / 5.8" (not including handle);

Depth: 155mm / 6.1"; **Weight:** 8.5 kg / 19 lbs (Device only)

Operating Pressure

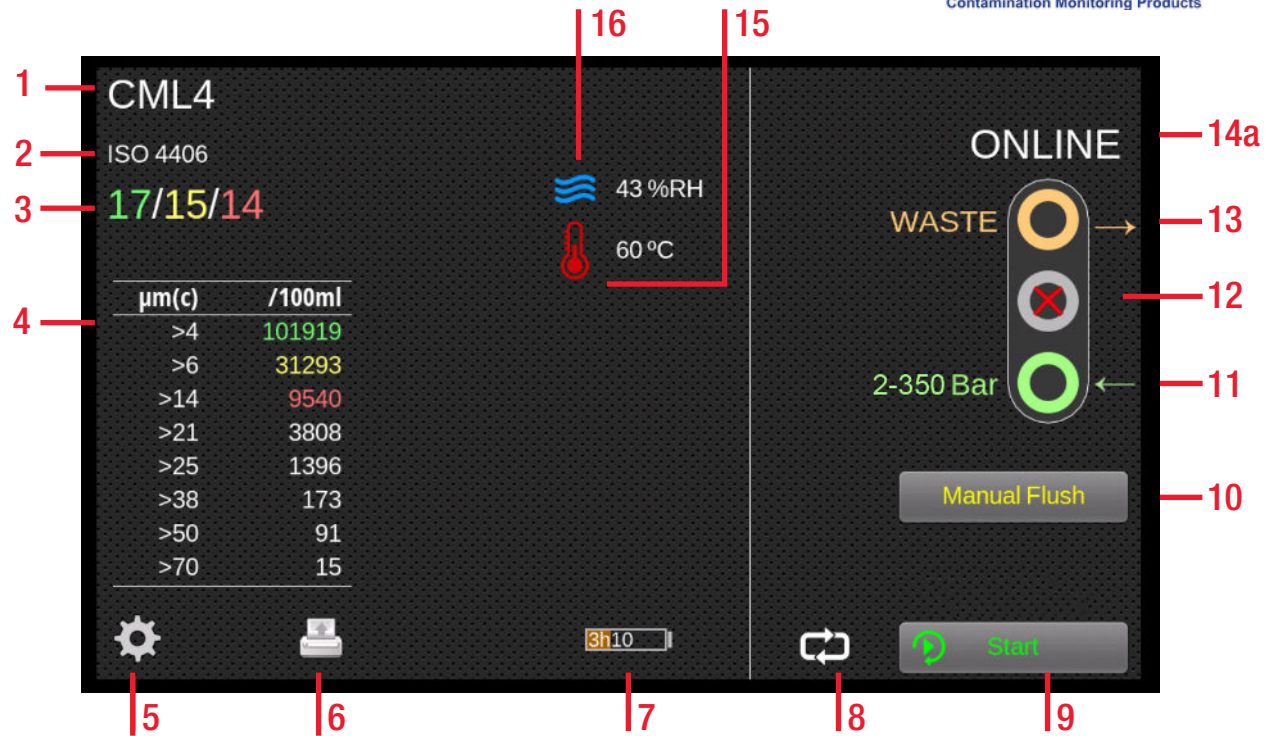
Offline: Maximum 2 bar (29 PSI) Online: Maximum 350 bar (5076 PSI)

Data Storage

Approximately 4000 time-stamped tests in the integral memory

Full specification available in the Operator's Manual

CML4 MAIN SCREEN INTERFACE

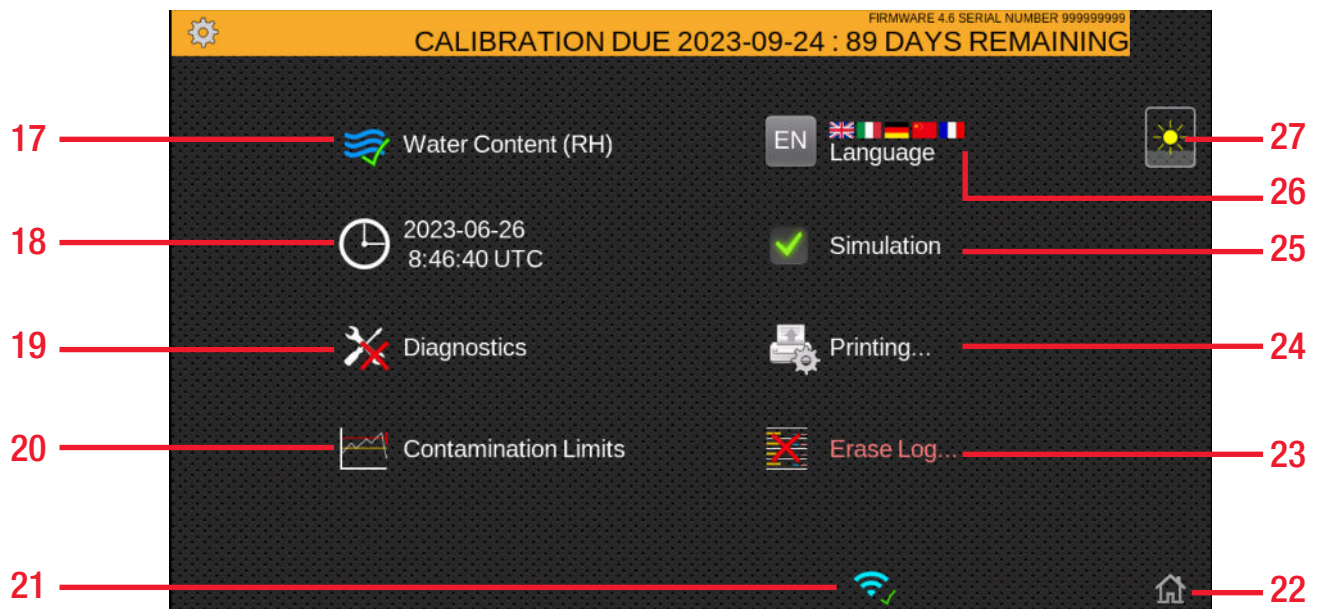


1. Test reference
2. Test format
3. Last test result
4. Detailed results viewer
5. Settings
6. Printer
7. Battery charge status
8. Continuous/single test mode
9. Test start/stop button

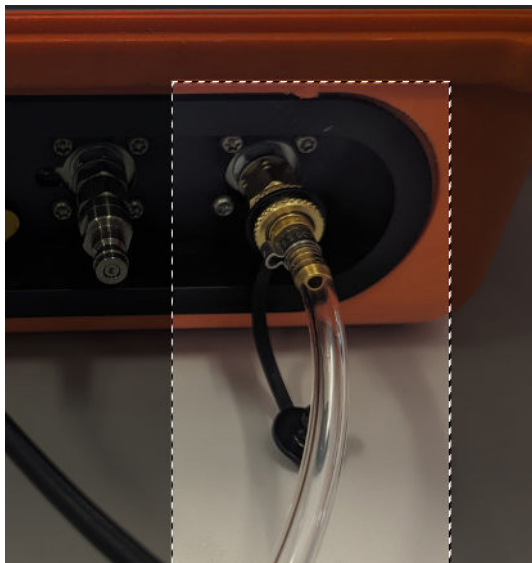
10. Manual flush operation button
11. Online Inlet Port (Pressurised system Mode)
12. Offline Inlet Port (Unpressurised system Mode)
13. Outlet Port
- 14a. Online Testing Mode Toggle
- 14b. Offline Testing Mode Toggle
15. Temperature Result
16. RH Result

CML4 SETTINGS SCREEN INTERFACE

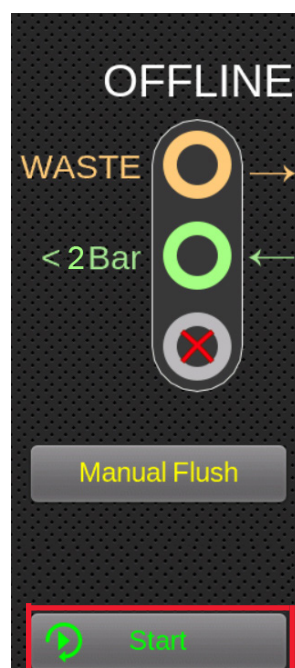
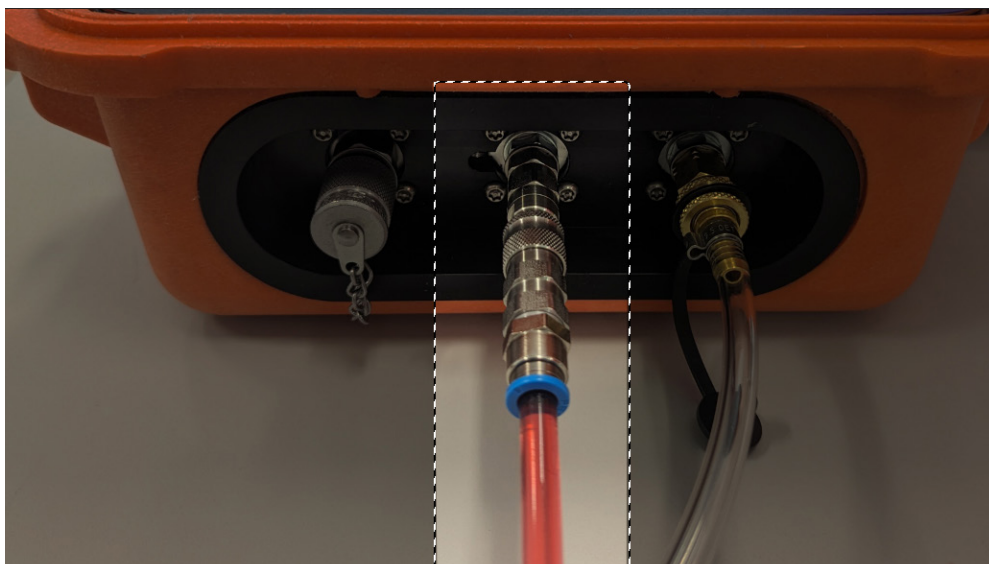
17. RH test enabled
18. Time settings
19. Diagnostics
20. Contamination tolerance limits
21. Wifi enabled
22. Home
23. Erase log
24. Printer settings
25. Simulation mode enabled
26. Language
27. Brightness



Step One: Connect the waste hose to a waste receptacle and then connect to the CML4 waste outlet quick-release attachment.



Step Two: Connect the suction hose onto the CML4 low pressure inlet quick-release attachment



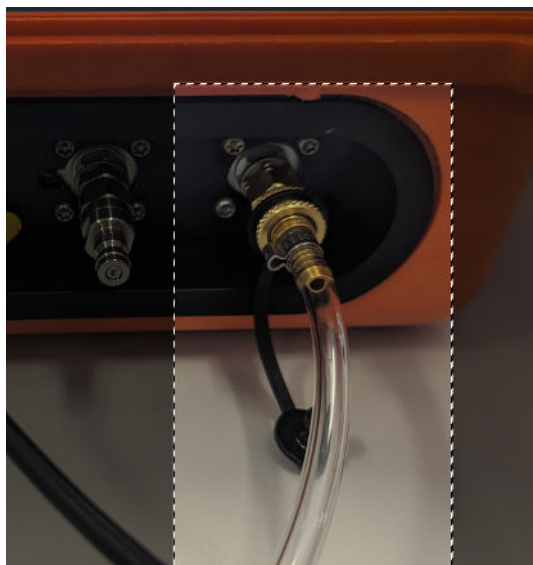
Step Three: The CML4 is now ready to take samples from low-pressure offline systems. To begin sampling switch to offline mode on your device (See 14b on CML 4 Home screen overleaf) and press start.

Step Four: The results will appear on the main screen. You can also print off a hard copy with the optional bluetooth printer.

CML4	
ISO 4406	
17/15/14	
µm(c)	/100ml
>4	101919
>6	31293
>14	9540
>21	3808
>25	1396
>38	173
>50	91
>70	15



Step One: Connect the waste hose to a waste receptacle and then connect to the CML4 waste outlet quick-release attachment.



Step Two: Connect the hose to the CML4 high pressure inlet first then connect to the high pressure test point on the system



Step three: The CML4 is now ready to take samples from pressurised systems. To begin sampling switch to online mode on your device (See 14a on CML Home screen overleaf) and press start.

Press on the Single test/Continuous Mode Icon to choose your preferred test type

Step Four: The results will appear on the main screen. You can also print off a hard copy with the optional bluetooth printer.

Single test mode



Continuous mode



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