



Reliable monitoring of measured values—anytime and anywhere

The Liquiline Mobile CML18 handheld instrument for pH/ORP, conductivity and oxygen

Liquid analysis



The multi-parameter Liquiline Mobile CML18 handheld instrument measures pH/ORP, conductivity and oxygen with highest signal reliability. Use it at any measuring point in your system, and establish immediately what is happening in your process.

Reap the benefits of Memosens technology

Whenever and wherever you need to check a pH, conductivity or oxygen value, the multi-parameter Liquiline Mobile CML18 handheld instrument will supply the correct values. The device is equipped with Memosens technology, which converts the sensor values into digital signals and transmits them without disturbance. This means that you obtain reliable measured values, which allow you to take any necessary remedial measures quickly, to ensure that your process continues to run at an optimum level.

Have confidence in the measured values of your samples

If the measuring technology used for sample analysis differs from the technology used in the process, this may give rise to deviations in results of online and sample analysis. With the Liquiline Mobile CML18, the same robust Memosens sensors that you use at the fixed measuring points in your process can also be used for sample analysis directly at the sampling point or in the lab. This ensures that your measurement data is consistent and the results are reliable. And you will never again experience deviations in measured values resulting from the use of different technologies.





Easy and intuitive to operate

The Liquiline Mobile CML18 can be operated easily using the SmartBlue app. Measured values and sensor data are transferred to the app on your smartphone or tablet via a secure Bluetooth connection confirmed by the Fraunhofer Institute. The app provides you with a convenient way to make settings and adjustments and to read out sensor values and measured values. In addition, the Liquiline Mobile CML18 has an integrated, wireless charging function, which enables inductive charging using a Qi-certified charger, just as easily as with your smartphone.



Streamline your daily activities

With the Liquiline Mobile CML18, you can perform your daily activities more quickly, since the device offers real plug & play capabilities, which means that parameters can be changed quickly. The handheld instrument detects the sensor immediately and reads out all of the important sensor data. Furthermore, you can adjust your sensors under optimum conditions in the lab or maintenance area before using them in the field. This saves you having to perform a calibration in the field and thus having to carry around numerous cables and buffer solutions.

i Memosens: Sensor technology pointing the way forward

Memosens digitizes the measured value in the sensor and sends it to the transmitter via a non-contact, disturbance-free connection. Since its introduction in 2004, it has become the leading global standard in liquid analysis. A broad portfolio of Memosens products has been helping to improve the safety, efficiency, transparency and quality of processes in all industries ever since.

- Safe digital data transmission: inductive, corrosion-free, 100% reliable
- Sensors easily connected
- Sensor head saves measured values and sensor information for predictive maintenance
- Plug & play with pre-calibrated sensors
- International standard

www.endress.com/Memosens



Technical data



Liquiline Mobile CML18

Memosens technology	✓
pH	✓
ORP	✓
Conductivity, inductive	✓
Conductivity, conductive	✓
Oxygen amperometric	✓
Oxygen, optical	✓
Temperature	✓
Dimensions	84 x 54 x 47 mm (3.31 x 2.13 x 1.87 in)
Weight	155 g
Calibration of pH sensors	1-point, 2-point
Data logger with date / time stamp	Saves over 10,000 measurements
Battery life	30 hours with the display switched on
Max. cable length via M12 coupling	25 m
Degree of protection	IP66
Storage capacity	> 10,000 measured values
SmartBlue app menu languages	English, Chinese, Czech, Dutch, French, German, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
Power supply	Inductive charging via Q1: baseline power 5 W output (5 V/1500 mA input)



For more information, see www.endress.com/CML18.

www.addresses.endress.com