



Make it easy and give me values I can trust

Liquiline Mobile CML18 with high-performance laboratory sensors

Your combination for easy laboratory measurements and random sampling

Reliable portfolio out of one hand

- Tailor-made sensors for your measuring tasks
- Mobile multiparameter instrument for measurements everytime and everywhere
- Captures the whole range of parameters such as pH, dissolved oxygen and conductivity

Memosens 2.0 - Simple, safe and connected

- Digital sensor with true plug and play
- Contactless, inductive and waterproof coupling
- Reliable signal and no signal loss during measurement
- Sensor data and calibration history stored in the sensor head



Benefit from reliable laboratory measurements and random sampling with state-of-the-art digital Memosens 2.0 technology.

Make it easy

No matter whether you want to measure in the laboratory or do random sampling directly in the field. Just connect the sensor for your measuring task to the CML18 multiparameter handheld and start capturing values. To switch between the different parameters pH, dissolved oxygen and conductivity, simply change the sensor directly on site and start measuring without any further calibration. Benefit from true plug and play enabled by Memosens technology. Connect your smartphone for outstanding usability and extended functions.

Trustable values

The sensors convince with a high accuracy and fast response time, which is indispensable especially for oxygen measurements. You can rely on your measured values at any time and perform simple checks of online measuring loops. Memosens also ensures a trouble-free measurement and a solid digital signal without the risk of signal loss

without noticing. This technology is unique in lab measurements and simplifies the daily work on all levels. We bring our expertise in sensor technology to your laboratory and processes.

Boost your GLP

The laboratory sensors and the Liquiline Mobile support the requirements of data and quality management in your verification process of online measurements. It ensures automatic and tamper-proof traceability of the calibration history and allows easy data transmission via Bluetooth to transfer information such as time stamps. Benefit from reliable measured values and traceability. You can access all important information always and everywhere over the free SmartBlue app.



Find out more about the Memosens Lab Portfolio
<https://eh.digital/lab>



Our combination for your lab measurements and random sampling. With Liquiline Mobile and suitable sensors for your application!



Liquiline Mobile CML18

The multiparameter handheld enables you to check any measuring point in the field or execute reliable laboratory measurements. Via a uniquely secure Bluetooth connection you can transfer all sensor data and measured values to your tablets or smartphones which makes documentation, sensor adjustment and data transfer safe and effortless.

✓ Simple, safe and connected Memosens 2.0 technology

For measurements in the lab or random sampling in the field, benefit from the advantages of Endress+Hauser's unique Memosens 2.0 technology. Robust, safe and networked liquid analysis using 100% digital data transmission via the inductive and corrosion-free plug-in head and the simple plug-and-play system. The sensors are ready for use at any time thanks to pre-calibration.

- Start measuring immediately with true plug and play
- Reliable measurement and signal without interference
- Widest Memosens portfolio in laboratory measurement



Memosens CPL51E

Robust Memosens 2.0 pH sensor

- Fast response time even in cold ionweak water
- Reference system with open junction minimizes the risk of clogging

 www.endress.com/CPL51E



Memosens CPL59E

Rugged Memosens 2.0 pH sensor for measurements in demanding media

- Ion trap for long time stability
- Large dirt-repellent PTFE-junction to avoid clogging

 www.endress.com/CPL59E



Memosens CPL53E

Versatile Memosens 2.0 pH glass sensor

- Long lasting pH glass sensor with fast response time
- Maintenance-free: no need to refill the electrolyte

 www.endress.com/CPL53E



Memosens CLL47E

Four-electrode conductivity sensor for measurements for wide measuring ranges

- Solid platinum electrodes
- High measuring accuracy thanks to individually determined cell constant

 www.endress.com/CLL47E



Memosens CPL57E

Memosens 2.0 pH sensor for measurements of pure and ultrapure water

- Additional salt storage
- Long time stability

 www.endress.com/CPL57E



Memosens COL37E

Agile Memosens 2.0 oxygen sensor

- Optical oxygen sensor without electrolyte
- Flow-free C-shaped optical cap eliminates interference of air bubbles

 www.endress.com/COL37E

pH selection table - Choose the right sensor for your application

	CPL51E	CPL53E	CPL57E	CPL59E
Water and wastewater				
Drinking water	✓	✓	(✓)	
Wastewater	✓	✓		
Water, pure and condensate	✓	✓	(✓)	
Chemical industry				
Cleaning agents		(✓)	(✓)	✓
Fertilizer solutions				✓
Fixing baths, galvanic baths/ electroplating	(✓)	✓	(✓)	✓
Oxidizing agents in water solution				✓
Paint (water-based and non-water-based)		✓	(✓)	✓
Salt solutions	(✓)	(✓)	(✓)	✓
Food and Beverage industry				
Crème fraîche, milk, cream and starch solution	(✓)	✓	(✓)	(✓)
Fat		✓	(✓)	(✓)
Fruit & vegetable juice, soft drinks	✓	✓	(✓)	(✓)
Jam	(✓)	✓	(✓)	(✓)
Oil		✓	(✓)	✓
Protein-containing samples	✓	✓	(✓)	✓
Life Science industry				
Bacteria cultures and fermentation solutions	(✓)	✓	(✓)	(✓)
Cosmetics		✓	(✓)	(✓)
Enzyme solutions	(✓)	✓	(✓)	(✓)
Phosphate buffer	✓	✓	(✓)	✓
Soap, washing powder	(✓)	(✓)	(✓)	✓
TRIS buffer	(✓)	(✓)	(✓)	✓
Multi industries				
Acids				✓
Aqueous emulsions, suspensions and solutions	(✓)	✓	✓	✓
Earth suspended in water	✓	✓	(✓)	(✓)
Semi-aqueous solutions and suspensions	(✓)	✓	(✓)	(✓)
Viscous samples	(✓)	✓	✓	✓
Minerals, Metals and Mining				
Cyanide decontamination				✓

✓ suitable for the application (✓) installation possible under certain conditions

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