

MARK® 509

Is a dual-channel meter for continuous measurements of dissolved hydrogen concentration (including low-level concentrations) and temperature of water and aqueous solutions.

2 channels

Programmable ranges of measurements for each channel.
Independent measurements in two points.

Convenience and accuracy of measurement, minimum maintenance

Dual automatic temperature and barometric pressure compensation.

Long-lived sensor

Lifetime of the hydrogen sensor is min. 10 years.

Possibility of placing the converting unit on the remote distance from the point of control

Sensor cable length up to 100 m.

Communication with external devices

2 galvanic isolated current outputs 0–5/4–20/0–20mA.
RS 485 galvanic isolated port.
Programmable setpoints for each channel.

Durable aluminum case IP65

Instrument is protected from dust and moisture

Graphic LCD display with backlight

Easy input of all parameters by keypad.



Specification

| | Measuring range | Resolution | Accuracy |
|-----------------------|---------------------|------------|-----------------------------|
| DH concentration, ppb | 0–2000 ¹ | 0,1 | ±(3 + 4% of measured value) |
| Temperature, °C | 0–70 * | 0,1 | ±0,3 |

*automatic temperature compensation range, ¹ programmable

| | | |
|----------------|------------|-------------|
| Mounting | Wall | Panel |
| Dimensions, mm | 266*170*95 | 252*146*100 |
| Weight, kg | 2,60 | 2,60 |

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|--------------|----------------------|
| Power supply | 220 V, 50 Hz /10 V·A |
|--------------|----------------------|

Environment requirements

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|---|--------|
| Temperature, °C | 0–70 |
| Sample flow rate through the flow-stabilizing module, dm³/min | 0,07–5 |
| Sample flow rate at the hydraulic panel input, dm³/min | 0,08–5 |

Hydraulic panel HP 409 provides stabilization, filtration, indication of the sample flow and temperature protection
Hydraulic panel HP 409 is recommended for use with a large number of impurities, primarily of iron oxides

order information

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|------------|---|
| Basic kit | Converting unit DH sensor Spare parts kit Calibrator Electrolyte Hydraulic panel HP 409 or flow-stabilizing module FSM 402 M Operation manual |
| Optionally | DH sensor DH 509 for the second channel Hydraulic panel HP 409 or flow-stabilizing module FSM 402 M for the second channel Extension cable up to 95 m |