

dual-channel on-line dissolved hydrogen meter
MARK® 509

Continuous measurements of dissolved hydrogen concentration (including low-level concentrations) and temperature of water and aqueous solutions.



2 channels |

Programmable measuring ranges 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 sampling point |

Up to 100 m.

Communication with external devices |

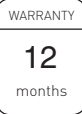
Galvanic isolated current outputs 0–5/4–20/0–20 mA.
RS 485 port. Programmable setpoints for each channel.

Durable aluminum case IP65 |

Dust and moisture protected.

Backlit graphical LCD |

Easy input of all parameters by keypad.



specification

	Measuring range	Resolution	Accuracy
DH concentration, ppb	0–2000 ¹	0,001	±(3 + 4%*A)
Temperature, °C	0–70	0,1	±0,3
	¹ programmable		A – measured value
Mounting	Wall	Panel	
Dimensions, mm	266*170*95	252*146*115	
Weight, kg	2,60	2,60	
Power supply	220 V or 36 V, 50 Hz /10 V · A		

environment requirements

Temperature, °C	0–70
Analyzed water flow rate through the flow-stabilizing module, dm ³ /min	0,07–5
Analyzed water flow rate at the hydraulic panel input, dm ³ /min	0,08–5

Hydraulic panel 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

ORDERING DATA

basic kit

Converting unit
DH sensor with 5 m cable
DH sensor spare parts kit
Calibrator
Electrolyte
Hydraulic panel or
flow-stabilizing module
Operation manual

optionally

DH sensor for the second channel
Hydraulic panel or flow-stabilizing
module for the second channel
Extension cable up to 95 m