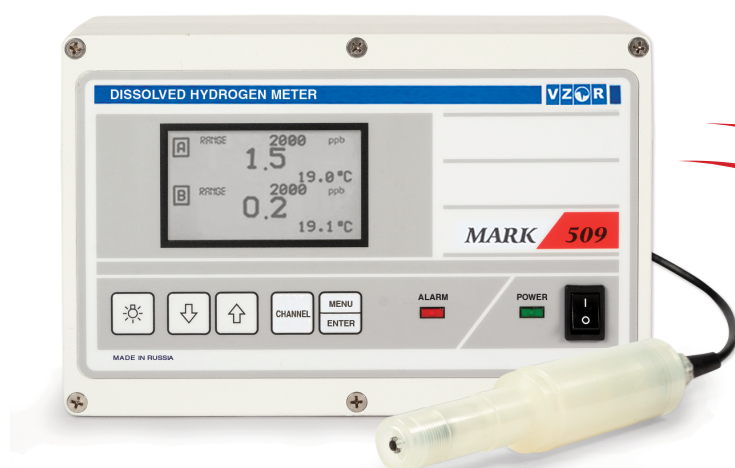


DUAL-CHANNEL ON-LINE DISSOLVED HYDROGEN METER

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 oxygen 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	
Power supply	220 V, 50 Hz /10 V·A		

ENVIRONMENT REQUIREMENTS

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

The company reserves the right to make changes into the products configuration without their performance degradation

order information



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