

on-line pH meter  
MARK® 9010

Measuring of hydrogen ions activity (pH, pH<sub>25</sub>) of high purity water (including water with adjusted conductivity 0,055 µS/cm) and alkaline water, containing ammonia and amines. Chemical water treatment monitoring at power industry objects.



New patented way of measuring, which does not require calibration.  
Absence of elements degrading in «high purity» water.

Intelligent algorithms of data operation.

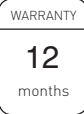
**Communication with external devices |**

Galvanic isolated current outputs 0–5/4–20/0–20 mA.  
RS 485 port. MODBUS RTU protocol.  
Programmable «dry» contacts relays (6 pcs).

**Durable aluminium case IP65 |**

Dust and moisture protected.  
The sole protecting case, uniting the secondary converter and hydraulic part.

**Graphical touch screen 5.7", 65535 colours, 640\*480 pixels screen resolution |**



**specification**

	Measuring range	Resolution	Accuracy
pH	5,6–7,00	0,001	±0,05
	7–7,30		±0,15
	7,30–10		±0,05
Conductivity, µS/cm	0–30	0,0001	±(0,003 + 2%*æ)
Temperature, °C	0–50	0,1	±0,3
æ – measured value			

Measuring module	
Dimensions, mm	295*880*140
Weight, kg	10
Power supply	220 V, 50 Hz/10 V · A

**environment requirements**

Conductivity, µS/cm, max	1,0 <sup>1</sup> 30,0 <sup>2</sup>
Temperature, °C	5–50
Sample flow rate, dm <sup>3</sup> /min	0,2–0,5

<sup>1</sup> for high-purity water, <sup>2</sup> for alkaline water containing ammonia and amines

**ORDERING DATA**

**basic kit**

- Measuring module
- Power supply unit
- Kit of chemical agents
- Spare parts kit
- Operation manual