

dual-channel on-line dissolved oxygen meter  
MARK® 409 T

Measuring of dissolved oxygen concentration and temperature of aqueous mediums, including deairedated ones.  
Continuous monitoring of chemical water treatment at thermal power and nuclear power industry objects.



**Convenience and accuracy of measurement |**

Measurement accuracy  $\pm(0,001+3,5\%$  of measured value), ppm.  
Ability to work at small flow rates (min. 25 ml/min). Routine maintenance once per year.

**High-stable sensor |** High reaction speed.

Sealed ultra strong water-repellent membrane membrane.  
The increased mechanical resistance of the construction.

**2 channels |** Programmable measuring ranges for each channel.  
Independent measurements in two points.

**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. Communication protocol MODBUS RTU.

**Hydraulic panel HP 409 T |**

Possibility of placement the measurement system at the sole panel. Stainless conductive lines.  
Regular maintenance and sensor calibration – without flow interruption.

WARRANTY

12

months



**specification**

	Measuring range	Resolution	Accuracy	
DOC, ppm	0–10	0,0001	$\pm(0,001 + 3,5\%A)$	
Temperature, °C	0–70	0,1	$\pm 0,3$	
			A – measured value	
	Converting unit		Hydraulic panel	
Mounting	Wall	Panel	HP 409 T/1	HP 409 T/2
Dimensions, mm	266*170*95	252*146*115	280*410*110	280*730*110
Weight, kg	2,60	2,60	3,30	4,40
Power supply	220 V or 36 V, 50 Hz/10 V · A			

**environment requirements**

Temperature, °C	0–70
Water flow rate, dm <sup>3</sup> /min, min	0,1–1,5
Pressure, MPa, max	0,1

ORDERING DATA

**basic kit**

Converting unit  
DO sensor  
Hydraulic panel  
DO sensor spare parts kit  
Electrolyte  
Operation manual

**optionally**

DO sensor for the second channel  
Hydraulic panel for the second channel  
Extension cable up to 99 m  
A kit of chemical agents for null-solution preparation