

dual-channel on-line sodium analyzer
MARK® 1002

Continuous measurement of sodium concentration as C_{Na} (or pNa) and temperature for high purity water environments.



2 channels |

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

Convenience and accuracy of measurement, minimum maintenance |

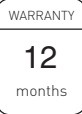
Measuring range from 0,01 C_{Na}. Measurement accuracy 5%.
Long inter-calibration period (up to 6 months). Dual automatic temperature compensation.
Automatic batching device of the alkalinizing reagent. Absence of KCl flask.

1 solution calibration | If necessary, 3-point-calibration is possible.

«Active» sensor unit | Sensor cable length up to 100 m.

Communication with external devices |

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



specification

		Measuring range	Resolution	Accuracy
C _{Na} , ppb	MARK 1002	0,7–1000 1000–3000 ¹	0,1	±(0,15 + 5%*C _{Na}) ±0,3*C _{Na}
	MARK 1002 T	0,01–1000	0,01	±(0,03 + 5%*C _{Na})
pNa	MARK 1002	4,36–7,52 4,06–7,52 ¹	0,01	
	MARK 1002 T	4,66–9,36	0,01	
Temperature, °C		0–50	0,1	±0,3
¹ only for MARK® 1002 P				
		Converting unit		Hydraulic panel
Mounting		Wall	Panel	
Dimensions, mm		266*170*95	252*146*115	300*650*200
Weight, kg		2,60	2,60	5,0
		Power supply		220 V or 36 V, 50 Hz / 10 V · A 24 V

environment requirements

Conductivity, µS/cm, max	C _{Na} < 1000 ppb	5,5
	C _{Na} 1000–3000 ppb	16,5
Temperature, °C	10–50	
Sample flow rate, dm ³ /min	0,05–3	
Temperature of ambient air, °C	5–50	

ORDERING DATA

basic kit

Converting unit
Hydraulic panel HP 1002 or HP 1002 T
with power supply unit
5 m cable
Operation manual

optionally

Hydraulic panel and power supply unit
for the second channel
Connecting cable up to 100 m
Sample collecting kit