

MARK® 1002

Is a dual-channel analyzer for continuous measuring of sodium concentration as CNa (or PNa) and temperature for high purity water environments.

2 channels

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

Convenience and accuracy of measurement, minimum maintenance

Measuring range from 0,01 CNa. Measurement accuracy 6%.
Long inter-calibration period (up to 6 months).
Dual automatic temperature compensation.
Automatic batching device of the alkalizing 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

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

Specification

		Measuring range	Resolution	Accuracy
CNa, ppb	MAPK 1002	0,7–500 500–2000 ¹	0,1	±(0,5 + 0,12*CNa) ±0,3*CNa
	MAPK 1002 T	0,01–500	0,01	±(0,03 + 0,12*CNa)
pNa	MAPK 1002	4,66–7,52 4,06–7,52 ¹	0,01	
	MAPK 1002 T	4,66–9,36	0,01	
Temperature, °C		0–50 *	0,1	±0,3
		¹ only for MARK® 1002 P, *automatic temperature compensation range		
		Converting unit	Hydraulic panel	
Mounting		Wall	Panel	
Dimensions, mm		266*170*95	252*146*100	300*650*200
Weight, kg		2,60	2,60	4,0
		Power supply	220 V, 50 Hz /10 V·A	24 V

Environment requirements

Temperature, °C	10–40
Sample flow rate, dm³/min	0,05–3
Temperature of ambient air, °C	5–50



order information

Basic kit	Converting unit Hydraulic panel HP 1002 or HP 1002 T Power supply unit 5 meter connecting cable C 1002.5 Operation manual
Optionally	Hydraulic panel and power supply unit for the second channel Connecting cable C 1002.L up to 100 meters Sample collecting kit OPC-server