

	pH-value			Salinity	Conductivity & TDS (dissolved solids)		
	pH-11	pH-22	pH-33	Salt-11	EC-11	EC-22	EC-33
Model	3999960122	3999960123	3999960124	3999960128	39999601245	3999960126	3999960127
HORIBA part nr.	895650	895651	895652	895656	895653	895654	895655
Order nr. Gebr. Heyl Vertrieb							
Measurement Principle	Glass Electrode			2 Electrode Bipolar AC	2 Electrode Bipolar AC		
Minimum Sample Volume	0.1ml (0.05ml with sampling sheet B)			0.12ml	0.12ml		
Measurement Range	0.0 - 14.0pH	0.00 - 14.00pH ± 650 mV		0.0 to 100.0 g/L (ppt) 0.00 to 10.00%	0 to 199 µS/cm 200 to 1999 µS/cm 2.00 to 19.99 mS/cm 20.00 to 199.9 mS/cm		
Resolution	0.1 pH	0.01 pH 1 mV	0.01 pH	0.1 g/L / 0.01%	0 to 1999 µS/cm: 1µS/cm 2.00 to 19.99 mS/cm: 0.01 mS/cm 20 to 199.9mS: 0.1 mS/cm		
Accuracy	±0.1 pH	±0.01 pH		±2% full scale (0.0 to 9.9 g/L) ± 4% full scale (10.0 to 100.0 g/L)	±2% full scale (0 to 19.99 mS/cm) ±5% full scale (20.0 to 199.9 mS/cm)		
Calibration Points	2	3	5	2	2	3	3
Temperature Display (0 to 50.0 °C)	-	-	•	-	-	-	•
Temperature Calibration (5 to 40.0 °C)	-	-	•	-	-	•	•
Display; LCD with backlight	•	•	•	•	•	•	•
Auto Standard / Buffer Recognition	•	•	•	•	•	•	•
Temperature Calibration	-	-	•	-	-	•	•
Switchable Backlight	•	•	•	•	•	•	•
Warranty (months)	24	24	24	24	24	24	24
				Calibration curves: NaCl & Saltwater			
				TDS-measurement range & resolution			
				0.0 to 99.9 ppm: 0.1 ppm			•
				100 to 999 ppm: 1 ppm			•
				1000 to 9990 ppm: 10 ppm			•
				TDS Factor (0.4 - 1.0), EN 27888, 442, NaCl			•

Features for all meters	
Operating Temperature	5 to 40.0 °C
Operating Humidity	85% or less rel. humidity (no c.)
Power	CR2032 batteries (2)
Battery Life	Approx. 400 h. in continuous use
Material	ABS epoxy
Dimensions	164 x 29 x 20 mm (excluding proj.)
Mass	Approx. 55 g (incl. sensor a. batt.)
Auto Hold / Auto Stable Measurement	•
Automatic Power Off (30mins)	•
Low Battery Indicator	•
IP67 Dust/Waterproof	•
Replaceable Sensor	•

	SODIUM Na ⁺	POTASSIUM K ⁺	NITRATE NO ₃ ⁻	CALCIUM Ca ²⁺
Model	Na-11	K-11	NO3-11	CA-11
HORIBA part nr.	3200689159	3200689160	3200689162	3200689161
Order nr. Gebr. Heyl Vertrieb	895657	895658	895659	895660
Measurement Principle	Ion Selective Electrode			
Minimum Sample Volume	0.3ml (0.05ml with sampling sheet B)			
Measurement Range	2 to 9900 ppm (mg/L) 0.1 to 430 mmol/L	4 to 9900 ppm (mg/L) 0.1 to 250 mmol/L 2 to 5000 kg/10a	6 to 9900 ppm (mg/L) 1.4 to 2200 ppm (mg/L) (NO ₃ -N) 0.7 to 1100 kg/10a	4 to 9900 ppm (mg/L) 0.1 to 250 mmol/L
Resolution	0 to 99 ppm: 1 ppm 100 to 990 ppm: 10 ppm 1000 to 9900 ppm: 100 ppm			
Accuracy	± 10% of actual value			
Calibration Points	Up to 2			
Temperature Display (0 to 50.0 °C)	•	•	•	•
Temperature Calibration (5 to 40.0 °C)	•	•	•	•
Display; LCD with backlight	•	•	•	•
Auto Standard / Buffer Recognition	•	•	•	•
Changeable High and Low Calibration Values	•	•	•	•
Multiplication Compensation	•	•	•	•
Temperature Calibration	•	•	•	•
Switchable Backlight	•	•	•	•
Warranty (months)	24	24	24	24

Features for all meters	
Operating Temperature	5 to 40.0 °C
Operating Humidity	85% or less relative humidity (no condensat.)
Power	CR2032 batteries (2)
Battery Life	Approx. 400 hours in continuous use
Material	ABS epoxy
Dimensions	164 x 29 x 20 mm (excluding projections)
Mass	Approx. 55 g (including sensor and batteries)
Auto Hold / Auto Stable Measurement	•
Automatic Power Off (30mins)	•
Low Battery Indicator	•
IP67 Dust/Waterproof	•
Replaceable Sensor	•