



	Conductivity (EC)			Salt (NaCl)
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Model	<b>EC-11</b> <span style="color: red;">COND</span>	<b>EC-22</b> <span style="color: red;">COND</span> <span style="color: blue;">Temp</span>	<b>EC-33</b> <span style="color: red;">COND</span> <span style="color: brown;">TDS</span> <span style="color: blue;">Temp</span>	<b>Salt-11</b> <span style="color: green;">Salt</span> <span style="color: blue;">Temp</span>
Features	<span style="background-color: #00a0e3; color: white; padding: 2px;">WATER PROOF</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">MICRO VOLUME</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">2 PT CAL</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">-19.9 mS/cm</span>	<span style="background-color: #00a0e3; color: white; padding: 2px;">WATER PROOF</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">MICRO VOLUME</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">3 PT CAL</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">-199.9 mS/cm</span>	<span style="background-color: #00a0e3; color: white; padding: 2px;">WATER PROOF</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">MICRO VOLUME</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">3 PT CAL</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">-199.9 mS/cm</span>	<span style="background-color: #00a0e3; color: white; padding: 2px;">WATER PROOF</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">MICRO VOLUME</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">2 PT CAL</span> <span style="background-color: #00a0e3; color: white; padding: 2px;">EC CONV</span>
Part No.	3999960125	3999960126	3999960127	3999960128
Measurement Principle	2 Electrode Bipolar AC			
Min. Sample	0.12 ml			
Measurement Range / Resolution	Conductivity 0 to 199 $\mu\text{S/cm}$ (1 $\mu\text{S/cm}$ ) 200 to 1999 $\mu\text{S/cm}$ (1 $\mu\text{S/cm}$ ) 2.00 to 19.99 mS/cm (0.01 mS/cm)	Conductivity 0 to 199 $\mu\text{S/cm}$ (1 $\mu\text{S/cm}$ ) 200 to 1999 $\mu\text{S/cm}$ (1 $\mu\text{S/cm}$ ) 2.00 to 19.99 mS/cm (0.01 mS/cm) 20.0 to 199.9 mS/cm (0.1 mS/cm)		Salt 0.0 to 100.0 g/L (0.1 g/L)
	—	TDS 0.0 to 99.9 ppm (0.1 ppm) 100 to 999 ppm (1 ppm) 1000 to 9990 ppm (10 ppm)		Salt 0.00 to 10.00 % (0.01 %)
Accuracy	$\pm 2\%$ full scale (for each range)	$\pm 2\%$ full scale (0 to 19.99 mS/cm) $\pm 5\%$ full scale (20.0 to 199.9 mS/cm)		$\pm 2\%$ full scale (0.0 to 9.9 g/L) $\pm 4\%$ full scale (10.0 to 100.0 g/L)
Max. Calibration Points	2	3		2
Calibration Curves	1413 $\mu\text{S/cm}$ , 12.88 mS/cm	1413 $\mu\text{S/cm}$ , 12.88 mS/cm, 111.8 mS/cm		NaCl / Sea water
Temperature Display / Resolution	—	0 to 50.0 $^{\circ}\text{C}$ / 0.1 $^{\circ}\text{C}$		
Functions	Automatic Range • Automatic Standard Recognition • Temperature Compensation (2%/ $^{\circ}\text{C}$ fixed) • Temperature Calibration* • Auto Hold / Auto Stable • Automatic Power Off (30 mins.) • Low Battery Indicator • IP67 Water / Dust Proof • Replaceable Sensor			
Display	Custom (monochrome) digital LCD with backlight			
Operating Temperature & Humidity	5 to 40 $^{\circ}\text{C}$ , $\leq 85\%$ in relative humidity (no condensation)			
Battery Life	Approx. 400 hrs. continuous use without backlight			
Material	ABS epoxy body / Titanium coated with platinum black sensor			
Dimensions	164 x 29 x 20 mm (excluding projections)			
Mass	Approx. 50g (including sensor and batteries)			
Accessories included	1413 $\mu\text{S/cm}$ & 12.88 mS/cm Conductivity Standard Solutions (14 ml each)			0.5% & 5.0% NaCl Standard Solutions (14 ml each)
	Conditioning Solution (4 ml) • CR2032 Batteries (2 pcs) • Dropper • Instruction & Quick Manuals • Storage Case			

\*Applicable for models with temperature display

### TDS Calibration Curves

Application	Key chemical species	TDS selection
Aquaculture, pickling	NaCl	NaCl
Boiler water, HVAC	$\text{Na}_2\text{SO}_4$ , $\text{NaHCO}_3$ , NaCl	442
Environmental	EN standard for environmental water	EN 27888
General application	KCl	TDS Factor Linear Default: 0.5    Selectable: 0.4 to 1.0

