



	Conductivity (EC)			Salt (NaCl)
Model	EC-11 COND	EC-22 COND Temp	EC-33 COND TDS Temp	Salt-11 Salt Temp
Features	WATER PROOF, MICRO VOLUME, 2 PT CAL, ~19.9 mS/cm	WATER PROOF, MICRO VOLUME, 3 PT CAL, ~199.9 mS/cm	WATER PROOF, MICRO VOLUME, 3 PT CAL, ~199.9 mS/cm	WATER PROOF, MICRO VOLUME, 2 PT CAL, EC CONV
Part No.	3999960125	3999960126	3999960127	3999960128
Measurement Principle	2 Electrode Bipolar AC			
Minimum Sample Volume	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)
Maximum 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 TDS Factor (0.4 to 1.0) / EN 27888 / 442 / NaCl		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 $^{\circ}\text{C}$, 85% or less 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) • 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	Na_2SO_4 , 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

