

Meter Specifications

Model		CyberScan Economy Bench		CyberScan Premium Bench	
		CON 510		CON 1500	
Measuring Parameter		Conductivity/TDS/°C/°F		Conductivity/TDS/Resistivity/°C/°F	
Highlights		Economical, high performance		0.001 resolution, optimum performance	
Conductivity	Range	0.00 to 19.99 µS/cm, 20.0 to 199.9 µS/cm, 200 to 1999 µS/cm, 2.00 to 19.99 mS/cm, 20.0 to 199.9 mS/cm		0.000 to 199.9 µS/cm, 200.0 to 1999 µS/cm, 2.000 to 19.99 mS/cm, 20.00 to 500.0 mS/cm	
	Resolution	0.05% full scale		0.001 (0.000 to 9.999 µS/cm), 0.01 (10.00 to 99.99 µS/cm), 0.1 (100.0 to 999.9 µS/cm), 0.001 (1.000 to 9.999 mS/cm), 0.01 (10.00 to 500.0 mS/cm)	
TDS	Range	0.00 to 9.99 ppm 10.0 to 99.9 ppm 100 to 999 ppm 1.00 to 9.99 ppt 10.0 to 99.9 ppt	Maximum 200 ppt depending on factor setting	0.00 to 199.9 ppm 200.0 to 1999 ppm 2,000 to 19999 ppm 20,000 to 99999 ppm	
	Resolution	0.01 ppm, 0.1 ppm, 1 ppm 0.01 ppt, 0.1 ppt		0.001 (0.000 to 9.999 ppm) , 0.01 (10.00 to 99.99 ppm), 0.1 (100.0 to 999.9 ppm), 1 (1000 to 99999 ppm)	
Accuracy		0.5% of full scale		0.5% of full scale	
Calibration Points		4 (1 per range) Auto, 5 (1 per range) Manual		4 (1 per range) Auto 4 (1 per range) Manual	
Resistivity	Range	-		0.000 to 19.99 KΩ, 20.00 to 199.9 KΩ, 200.0KΩ to 1.999 MΩ, 2.000 to 100.0 MΩ	
	Resolution	-		0.001 (0.000 to 9.999 Ω), 0.01 (10.00 to 99.99 KΩ), 0.1 (100.0 to 999.9 KΩ), 0.001 (1.000 to 9.999 KΩ), 0.1 (100.0 to 999.9 KΩ), 0.001 (1.000 to 9.999 MΩ), 0.01 (10.00 to 99.99 MΩ)	
Temperature	Range	0.0 to 100 °C (32.0 to 212 °F)		-5.0 to 105.0 °C (23.0 to 221.0 °F)	
	Resolution	0.1 °C / 0.1 °F (from 14 to 199.9 °F), 1 °F (from 200 to 230 °F)		0.1 °C / °F	
	Accuracy	±0.5 °C (±0.9 °F)		±0.3 °C (±0.5 °F)	
	Compensation	ATC/MTC (0 to 80 °C)		ATC/MTC (0 to 100 °C)	
	Coefficient (Per °C)	0.0 to 10.0%		0.000 to 10.000%	
Meter Functions	Normalisation	15.0 to 30.0 °C		15.0 to 30.0 °C (59.0 to 86.0 °F)	
	Memory	50		100	
	Cell Constant	-		0.1, 1.0, 10.0	
	Hold Function	Yes		-	
	Ready Indicator	-		Yes	
	Self-diagnostic messages	-		Yes	
	RS232 Output	No		Bi-directional	
	Display	Dual display		Extensive	
Input / Output	6-pin connector		DIN connector / RS232C		
Power Requirements	9V DC Adapter, 200 mA (120/220 VAC)		12V DC Adapter, 200 mA (center negative)		
Dimensions (cm) / Weight (kg)	Unit only	23 (L) x 18 (W) x 6 (H) cm / 0.75 kg		19.5 (L) x 14 (W) x 8.5 (H) cm / 0.95 kg	
	Boxed	40 (L) x 26 (W) x 9 (H) cm / 1.4 kg		40 (L) x 26 (W) x 9 (H) cm / 1.6 kg	

Meter		Replacement Electrode	
Order No.	Item	Order No.	Item
EC-CON510/135	CyberScan CON 510 Bench Conductivity/TDS Meter with Conductivity electrode (EC-CONSEN91W), integral electrode holder & 110VAC power adapter	EC-CONSEN91W	2 Stainless Steel Rings Ultem-body Electrode with ATC, cell constant K=1.0, 16x110 mm, 6-pin connector, 1m cable length (for CON 510)
EC-CON510/235	CyberScan CON 510 Bench Conductivity/TDS Meter with Conductivity electrode (EC-CONSEN91W), integral electrode holder & 220VAC power adapter		
EC-CON1500/135	CyberScan CON 1500 Bench Conductivity/TDS/RS232 Meter with DAS, RS232C cable, Conductivity 4-cell electrode (EC-620-165), integral electrode holder & 110VAC power adapter	EC-620-165	Epoxy-body 4-cell Conductivity Electrode with ATC, cell constant K=1.0, DIN connector, 1m cable length
EC-CON1500/235	CyberScan CON 1500 Conductivity/TDS/RS232 Meter with DAS, RS232C cable, Conductivity 4-cell electrode (EC-620-165), integral electrode holder & 220VAC power adapter		