

# Conductivity/TDS measurements made easy

## Meter Specifications

Models		CyberScan Portable Dual Display				EcoScan Palmtop Single Display	
		TDS 6	CON 6	CON 11	CON 110	CON 400	CON 410
<b>Measuring Parameter</b>		TDS/°C	Conductivity/°C	Conductivity/TDS/°C	Conductivity/TDS/°C/°F	Conductivity/°C/°F	Conductivity/TDS/°C/°F
<b>Highlights</b>		Economical TDS measurement	Economical conductivity measurement	Standard Portable	Expanded memory, RS232 output	Waterproof GLP	Waterproof GLP
<b>Conductivity</b>	<b>Range</b>	—	0 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				
	<b>Resolution</b>	0.05% of full scale					
	<b>Accuracy</b>	±1% full scale +1 digit					
<b>TDS</b>	<b>Range</b>	0 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	—	0 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	—	0 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	
	<b>Resolution</b>	0.05% of full scale				—	0.05% of full scale
	<b>Accuracy</b>	±1% full scale +1 digit				—	±1% full scale +1 digit
	<b>TDS Factor</b>	0.40 to 1.0	—	0.40 to 1.0	—	0.40 to 1.0	
<b>Calibration Points</b>		5 (1 per range) Manual	4 (1 per range) Auto, 5 (1 per range) Manual			5 (1 per range) Manual	
<b>Temperature</b>	<b>Range</b>	-10.0 to 80.0 °C				0.0 to 80.0 °C	
	<b>Resolution</b>	0.1 °C					
	<b>Accuracy</b>	±0.5 °C				±0.3 °C	
	<b>Compensation</b>	ATC/MTC (0 to 80 °C)					
	<b>Coefficient</b>	0.0 to 3.0%	0.0 to 10.0%				
	<b>Normalization</b>	20.0 or 25.0 °C				15 to 30 °C	
	<b>Operating Range</b>	0 to 50 °C					
<b>Meter Features</b>	<b>Cell constant</b>	0.1, 1.0, or 10.0					
	<b>Memory</b>	—	50 data sets	100 data sets	50 data sets		
	<b>Automatic endpoint</b>	No				Yes	
	<b>Date/Time Stamp (GLP)</b>	No				Yes	
	<b>Automatic shutoff</b>	After 20 minutes from last key operation					
	<b>Input</b>	BNC, 2.5 mm phono socket		DC socket, 6 pin connector		6 pin connector	
	<b>RS232C Output</b>	No		Yes		No	
	<b>Power Requirements</b>	4 x 1.5V 'AAA' Batteries		4 x 1.5V 'AAA' Batteries or 9V DC Adapter, 200 mA		4 x 1.5V 'AAA' Batteries	
	<b>Battery Life</b>	> 100 hours		> 200 hours		> 100 hours	
	<b>Waterproof/dustproof (IP67)</b>	No		No		Yes	
<b>Dimensions (LxWxH)</b>	<b>Unit only</b>	14 x 17 x 3.5 cm; 200 g		18 x 9 x 4 cm; 220 g		19 x 10 x 6 cm; 320 g	
<b>Weight (cm/g)</b>	<b>Boxed</b>	24 x 17 x 8 cm; 550 g		24 x 23 x 7 cm; 600 g		24 x 23 x 7 cm; 700 g	

Order Code.	Item
EC-CON6/03K	EcoScan CON 6 Palmtop Conductivity Meter with electrode (EC-CONSEN91B) & carrying kit set (EC-ECOCONKIT)
EC-TDS6/03K	EcoScan TDS 6 Palmtop TDS Meter with electrode (EC-CONSEN91B) & carrying kit set (EC-ECOCONKIT)
EC-CON11/03K	CyberScan CON 11 Portable Conductivity/TDS Meter with electrode (EC-CONSEN91W), 1 electrode holder & carrying kit set (EC-CONWPKIT)
EC-CON110/03K	CyberScan CON 110 Portable Conductivity/TDS/RS232C Meter with DAS, RS232C cable (EC-CA01M09F09), electrode (EC-CONSEN91W), 1 electrode holder & carrying kit set (EC-CONWPKIT)
EC-CONWP410/03K	Waterproof CyberScan CON 410 Portable Conductivity/TDS Meter with electrode (EC-CONSEN91W), 1 electrode holder & carrying kit set (EC-CONWPKIT)
EC-CONWP400/03K	Waterproof CyberScan CON 400 Portable Conductivity Meter with electrode (EC-CONSEN91W), 1 electrode holder & carrying kit set (EC-CONWPKIT)
EC-CONWP-KIT	Conductivity/TDS Carrying Kit Set – Plastic Carrying Case comprises 1 x 1413 µS, 12.88 mS KCl, 3000 ppm 442 standard solutions and 1 x deionised (rinse) water (60 ml)
EC-CONSEN91B	2 Stainless Steel Rings Ultem-body Electrode with ATC, cell constant K=1.0, 16 x 110 mm, BNC connector, 1m cable length
EC-CONSEN91W	2 Stainless Steel Rings Ultem-body Electrode with ATC, cell constant K=1.0, 16 x 110 mm, 6-pin connector, 1m cable length

1 mS/cm = 1000 µS/cm (µS: microSiemens / mS: milliSiemens)

1 ppt = 1000 ppm (ppm: parts per million / ppt: parts per thousand)