

ECscan Series Pocket Conductivity Tester



ECscan10 Features

- 1 point push-button calibration allows using the custom calibration solution
- Platinum conductivity cell provides the quick and reliable measurement results
- Automatic temperature compensation corrects conductivity measurement to reference temperature
- Hold function momentarily freezes reading for easy viewing and recording
- Auto-Power Off effectively conserves battery life
- Replaceable electrode module reduces maintenance and replacement cost

Applications

- ECscan10L : Suitable for measuring the low conductivity liquids
- ECscan10M: Suitable for general purpose applications
- ECscan10H : Suitable for measuring the high conductivity liquids



ECscan20/30/40 Features

- Multi-range conductivity tester contains the TDS and salinity measurement modes
- 1 to 3 points calibration with automatic recognition for conductivity standards
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint
- Setup menu allows setting the number of calibration points, TDS conversion factor, temperature unit, auto-power off, etc.
- Reset function automatically resumes all settings back to the factory defaults

Measurement Parameters

- ECscan20: Conductivity, temperature
- ECscan30: Conductivity, TDS, temperature
- ECscan40: Conductivity, TDS, salinity, temperature



Ordering Information

- ECscan10L/M/H: Tester and plastic box
- ECscan20/30/40: Tester, conductivity standard solutions and carrying case

Replaceable Conductivity Electrodes



E-ECscan-C1-100K

- 2-pole platinum conductivity cell
- Suitable for ECscan10L/M/H testers



E-ECscan-C1-10K

- 2-pole platinum conductivity cell
- Suitable for ECscan20/30/40 testers

Specifications

	Model	ECscan10L	ECscan10M	ECscan10H	ECscan20	ECscan30	ECscan40
Conductivity	Range	1.0~199.9 μ S/cm	10~1999 μ S/cm	0.1~19.99mS/cm	0~20.00, 200.0, 2000 μ S/cm, 20.00mS/cm		
	Resolution	0.1 μ S/cm	1 μ S/cm	0.01mS/cm	0.01, 0.1, 1		
	Accuracy	\pm 1% F.S.	\pm 1% F.S.	\pm 1% F.S.	\pm 1% F.S.		
	Calibration Points	1 point	1 point	1 point	1 to 3 points		
	Calibration Solutions	146.5 μ S/cm	1413 μ S/cm	12.88mS/cm	84 μ S/cm, 1413 μ S/cm, 12.88mS/cm		
TDS	Range	—	—	—	—	0~10.00, 100.0, 1000ppm, 20.00ppt	
	Resolution	—	—	—	—	0.01, 0.1, 1	
	Accuracy	—	—	—	—	\pm 1% F.S.	
	TDS Factor	—	—	—	—	0.1~1.0 (default 0.5)	
Salinity	Range	—	—	—	—	—	0.00~10.00ppt
	Resolution	—	—	—	—	—	0.01ppt
	Accuracy	—	—	—	—	—	\pm 1% F.S.
Temperature	Range	0~50°C			0~60°C/32~140°F		
	Resolution	1°C			0.1°C/0.1°F		
	Accuracy	\pm 1°C			\pm 1°C/ \pm 1.8°F		
	Offset Calibration	—			1 point, reading \pm 10°C		
Other Specifications	Temperature Compensation	0~50°C, automatic			0~60°C, automatic		
	Temperature Coefficient	2%/°C			2%/°C		
	Reference Temperature	25°C			25°C		
	Cell Constant	K=1			K=1		
	Hold Function	Manual			Manual or auto-endpoint		
	Auto-Off	8 minutes after last key pressed			8 minutes after last key pressed		
	Operating Temperature	0~50°C			0~50°C		
	Display	Single-line LCD (21×21mm)			Dual-line LCD (21×21mm)		
	Power Requirements	3×1.5V LR44 micro alkaline batteries			2×1.5V AAA batteries		
	Battery Life	Approximately 150 hours of continuous use			Approximately 200 hours of continuous use		
Dimensions	185(L)×40(Dia.)mm			185(L)×40(Dia.)mm			
Weight	100g			100g			