

## ECscan Series Pocket Conductivity Tester



### ECscan10 Features

- 1 point push-button calibration allows for the use of a custom calibration solution
- Platinum-black conductivity cell provides quick and reliable measurement results
- Automatic temperature compensation corrects conductivity measurements to the 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 measuring the general water samples
- ECscan10H : Suitable for measuring the high conductivity liquids



### ECscan20/30/40 Features

- Multi-range conductivity tester contains TDS and salinity measurement modes
- 1 to 3 points calibration with automatic recognition for conductivity standards
- Automatic temperature compensation corrects conductivity measurements to the reference temperature
- 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, conductivity standard solution
- ECscan20/30/40: Tester, conductivity standard solutions, carrying case

## Replaceable Conductivity Electrodes



### E-ECscan-C1-100K

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



### E-ECscan-C1-10K

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

## Specifications

	Model	ECscan10L	ECscan10M	ECscan10H	ECscan20	ECscan30	ECscan40
Conductivity	Range	1.0~199.9 $\mu$ S/cm	10~1999 $\mu$ S/cm	0.1~19.99 mS/cm	0~20.00, 200.0, 2000 $\mu$ S/cm, 20.00 mS/cm		
	Resolution	0.1 $\mu$ S/cm	1 $\mu$ S/cm	0.01 mS/cm	0.01, 0.1, 1		
	Accuracy	$\pm$ 1% F.S.	$\pm$ 1% F.S.	$\pm$ 1% F.S.	$\pm$ 1% F.S.		
	Calibration	1 point	1 point	1 point	1 to 3 points		
	Calibration Solutions	146.5 $\mu$ S/cm	1413 $\mu$ S/cm	12.88 mS/cm	84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88 mS/cm		
TDS	Range	—	—	—	—	0~10.00, 100.0, 1000 ppm, 20.00 ppt	
	Resolution	—	—	—	—	0.01, 0.1, 1	
	Accuracy	—	—	—	—	$\pm$ 1% F.S.	
	TDS Factor	—	—	—	—	0.1~1.0 (default 0.5)	
Salinity	Range	—	—	—	—	—	0.00~10.00 ppt
	Resolution	—	—	—	—	—	0.01 ppt
	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 (21×21 mm)			Dual-line LCD (21×21 mm)		
	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(Ø)mm			185(L)×40(Ø)mm			
Weight	100g			100g			