

ECscan Series Pocket Conductivity Tester



ECscan10 Features

- 1 point push-button calibration allows 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 restores all settings 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 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 | 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 \times 21mm) | | | Dual-line LCD (21 \times 21mm) | | |
| | Power Requirements | 3 \times 1.5V LR44 micro alkaline batteries | | | 2 \times 1.5V AAA batteries | | |
| | Battery Life | Approximately 150 hours of continuous use | | | Approximately 200 hours of continuous use | | |
| Dimensions | 185(L) \times 40(Ø)mm | | | 185(L) \times 40(Ø)mm | | | |
| Weight | 100g | | | 100g | | | |