

TDS - 3520

Portable conductivity/TDS/salinity meter



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► TDS-3520 Features

- 1 to 3 points can be used with automatic recognition for conductivity standards.
- Automatic electrode diagnostics shows the calibration points and factors
- Selectable cell constant, reference temperature, linear/non-linear and pure water compensation modes.
- 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, temperature unit, auto-power off, etc
- Reset function automatically resumes all settings back to the factory defaults.
- Expanded memory stores or recalls up to 100 data sets.
- USB communication interface for data transfer or connecting a power adapter to meter.

►► TDS-3530/3531/3540 Features

- 1 to 5 points can be used with automatic recognition for conductivity standards
- Automatic electrode diagnostics shows the calibration points and factors
- Selectable cell constant, reference temperature, TDS factor, linear and pure water compensation, seawater and practical salinity measurement modes.
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint
- Calibration due alarm prompts user to calibrate the meter regularly
- Auto-Power Off effectively conserves battery life.
- Setup menu allows setting the number of calibration points, stability criteria, temperature unit, date and time, etc.
- Reset function automatically resumes all settings back to the factory defaults
- Expanded memory stores or recalls up to 500 data sets.
- USB communication interface is easy to transfer data to PC.
- Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly.

►► Accessories

Meter, CON-1 conductivity electrode, temperature probe, standard solutions and carrying case



| Model | | | TDS-3520 | TDS-3530 | TDS-3531 | TDS-3540 |
|----------------------|--------------------------|----------|--|---|-----------------------------|--|
| Conductivity | Range | Standard | CON-1: 2μs/cm-20000μs/cm | | | |
| | | Optional | CON-0.01: 0.01 μs/cm~0.1μs/cm; CON-0.1: 0.1μslcm~2μs/cm; CON-10: 20000μs/cm~200ms/cm | | | |
| | Accuracy | | ±0.5% F.S. | | | |
| | Resolution | | 0.001, 0.01, 0.1, 1 | | | |
| | Calibration Points | | 1 to 3 points (TDS-3520), 1 to 5 points (TFS- 3530/3531/3540) | | | |
| | Calibration Solutions | | 10μ8/cm, 84μ8/cm, 1413μ8/cm, 12 88mS/cm, 111 8mS/cm | | | |
| TDS | Range | | / | 0~10.00, 100.0, 1000ppm,10.00, 200.0ppt | / | 0-10.00, 100.0, 1000ppm, 10.00, 200.0ppt |
| | Accuracy | | / | ±1% F.S | / | ±1% F.S |
| | Resolution | | / | 001,0.1,1 | / | 0.01,0.1,1 |
| | TDS Factor | | / | 0.1~1.0 (default 0.5) | / | 0.1~1.0 (default 0.5) |
| Salinity | Range | | / | | 0.00~42.00psu,0.00~80.00ppt | |
| | Accuracy | | / | | ±1% F.S. | |
| | Resolution | | / | | 0.01 | |
| Resistivity | Range | | / | | | 0.00~20.00MΩ |
| | Accuracy | | / | | | ±1% F.S. |
| | Resolution | | / | | | 0.01 |
| Temperature | Range | | 0~105°C/32~221°F | | | |
| | Accuracy | | ±0.5°C/±0.9°F | | | |
| | Resolution | | 01°C/0.1°F | | | |
| | Offset Calibration | | 1 point, reading ±10°C | | | |
| Other Specifications | Temperature Compensation | | 0~100°C, manual or automatic | | | |
| | Temperature Coefficient | | Linear (0.0-10.0%/°C), non-linear, pure water | | | |
| | Reference Temperature | | 20/25"C | | | |
| | Cell Constant | | K=01,1,10 | | | |
| | Stability Criteria | | / | Low or high | | |
| | Calibration Due Alarm | | / | 1 to 31 days or off | | |
| | Hold Function | | Manual or auto-endpoint | | | |
| | Auto-Off | | 30 minutes after last key pressed (TDS-3520). 10, 20 or 30 minutes after last key pressed (TDS-3530/3531/3540) | | | |
| | Memory | | 100 data sets(TDS-3520), 500 data sets(TDS-3530/3531/3540) | | | |
| | Communication interface | | USB | | | |
| | Connector | | 6-pin nimi-DIN, 3.5mmjaci< socket | | | |
| | Display | | Custom LCD (80*60mm) | | | |
| | Power Requirements | | 3X 1.5V AA batteries or DC5V power adapter | | | |
| | Battery Life | | Approximately 150 hours (Turn off the baci<hght) | | | |
| | Dimensions(mm) | | 170*85*30mm | | | |
| | Weight(kg) | | 300g | | | |
| | Package Size(W*D*H)mm | | 475*155*350mm | | | |
| Gross weight(kg) | | 2kg | | | | |

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