# AD331

## Professional Waterproof Conductivity-TEMP Portable Meter with GLP

**AD331** is a waterproof portable meter that reads Conductivity in 5 ranges and temperature.

The autoranging feature of the EC range automatically sets the instrument to the scale with the highest resolution.
Measurements are compensated for temperature effect automatically (ATC) or manually (MTC). It is also possible to disable the temperature compensation feature to measure the actual conductivity. The temperature coefficient is user selectable. This instrument also features a measurement stability indicator, GLP capability, and a user selectable ID code to uniquely identify the instrument.

| | AD331 |
|---|---|
| Range | 0.00 to 19.99 µS<br>0.0 to 199.9 µS<br>0 to 1999 µS<br>0.00 to 19.99 mS<br>0.0 to 199.9 mS<br>-9.9 to 120.0 °C |
| Resolution | 0.01 / 0.1 / 1 µS<br>0.01 / 0.1 mS<br>0.1 °C |
| Accuracy | ±1% f.s.<br>±0.5 °C |
| EC Calibration | Offset 0.0 µS/cm;<br>Slope: 1 point with 6 memorized standards<br>(84.0, 1413 µS/cm; 5.00,12.88,<br>80.0, 111.8 mS/cm) or one custom value |
| Temperature calibration | User offset adjustment ±1°C |
| Temperature | ATC / MTC from -9.9 to 120°C Compensation |
| Temperature coefficient | 0.0 to 10.0 %/°C |
| Reference temperature | Selectable from 15.0 to 30.0°C |
| Probe | 1 4-ring EC probe (K=1) with built-in NTC10K temperature sensor, Conmet-like |
| Memory | 250 samples on demand with time stamp |
| GLP | Yes with time stamp |
| Hold function | yes (auto) |
| Low battery indication | yes |
| Auto shutt-off | yes |
| Power supply | 4 x 1.5V AA batteries |


Supplied with: **A76309** conductivity probe with built-in temperature sensor, calibration solutions in satchets (1413 µS/cm and 12,88 mS/cm, 20 ml each),1.5V AA alkaline battery (4 pcs) and user manual.

# AD330 - AD332

## Professional Waterproof Conductivity-TDS-TEMP Portable Meter with RS232 interface & GLP

**AD330** and **AD332** are waterproof portable meters that read TDS and Conductivity in 5 ranges and temperature.
The autoranging feature of the EC and TDS ranges automatically sets the instrument to the scale with the highest resolution. Measurements are compensated for temperature effect automatically (ATC) or manually (MTC). It is also possible to disable the temperature compensation feature to measure the actual conductivity.
The temperature coefficient is user selectable. These instruments also features a measurement stability indicator, GLP capability, and a user selectable ID code to uniquely identify the instrument.
Moreover, **AD332** includes PC interface and printing function. Connect the meter to an external serial printer with the following printer specifications:

- at least 16 characters / line
- baud rate 9600
- 9-pin RS232 input

| | AD330, AD332 |
|---|---|
| Range | 0.00 to 19.99 µS / 0.00 to 10.00 ppm<br>0.0 to 199.9 µS / 0.0 to 100.0 ppm<br>0 to 1999 µS / 0 to 1000 ppm<br>0.00 to 19.99 mS / 0.00 to 10.00 ppt<br>0.0 to 199.9 mS / 0.0 to 100.0 ppt<br>-9.9 to 120.0 °C |
| Resolution | 0.01 / 0.1 / 1 µS/ppm<br>0.01 / 0.1 mS/ppt<br>0.1 °C |
| Accuracy | ±1% f.s.<br>±0.5 °C |
| EC calibration | Offset: 0.0 µS/cm;<br>Slope: 1 point with 6 memorized standards<br>(84.0, 1413 µS/cm; 5.00,12.88, 80.0, 111.8 mS/cm) |
| Tempreature calibration | User offset adjustment ±1°C |
| Temperature compensation | ATC / MTC from -9.9 to 120°C |
| Temperature coefficient | 0.0 to 10.0 %/°C |
| Reference temperature | Selectable from 15.0 to 30.0°C |
| TDS factor | 0.4 to 1.0 |
| Probe | 1 4-ring EC probe (K=1)<br>with built-in NTC10K temperature sensor, Conmet-like |
| Memory | 250 samples on demand with time stamp (only AD332) |
| GLP | Yes with time stamp |
| Printer | External through RS232 (only AD332) |
| Hold function | yes (auto) |
| Low battery indication | yes |
| Auto shutt-off | yes |
| PC Interface | RS232 for PC software and External Printer (only AD332) |
| Power supply | 4 x 1.5V AA batteries |


Supplied with: A76309 conductivity probe with built-in temperature sensor, calibration solutions in satchets (1413 µS/cm and 12,88 mS/cm, 20 ml each), 1.5V AA alkaline battery (4 pcs)and user manual and only for **AD332**: AD9551 serial communication cable