AD3000

Professional Multi-Parameter Conductivity-TDS-Temperature Benchtop Meter with GLP

AD3000 is a microprocessor-based conductivity, TDS and temperature meter.

The auto ranging 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) with the conductivity probe with built-in temperature sensor. It is also possible to disable the temperature compensation and measure the actual conductivity.

The temperature coefficient is user selectable. The instrument is equipped with a stability indicator, to indicate when the measurement is to be recorded.
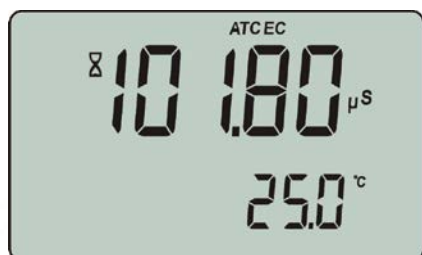

Custom or Automatic Calibration

With **AD3000** you can choose between Custom or Automatic calibration.

Wide-scale of measuring ranges

AD3000 features 5 measuring ranges both EC and TDS.

Autoranging

The EC and TDS scales are autoranging. The meter automatically sets the scale with the highest possible resolution.
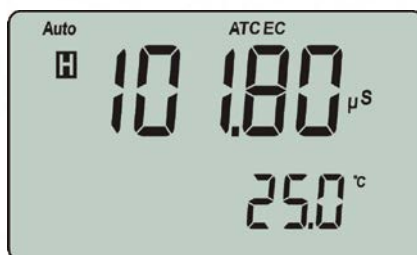

Stability indicator

The meter displays an hourglass symbol that will disappear when the measurement has achieved stability, and the reading should be taken.

GLP

With the GLP function, AD3000 allows the user to enter an ID code to uniquely identify the instrument. GLP also allows to store and retrieve data regarding the status of the system.

Hold Function

Freeze the first stable reading on the LCD.

Data Logging

AD3000 allows you to store up to 250 samples. By storing a sample, a complete information is memorized:

• Date

• EC or TDS readings

• Temperature readings

		AD3000
Range	EC	0.00 to 19.99 µS/cm | 20.0 to 199.9 µS/cm | 200 to 1999 µS/cm 2.00 to 19.99 mS/cm | 20.0 to 199.9 mS/cm
	TDS	0.00 to 9.99 ppm | 10.0 to 99.9 ppm | 100 to 999 ppm 1.00 to 9.99 ppt | 10.0 to 99.9 ppt
	Temp.	-9.9 to 120 °C
Resolution	EC	0.01 µS/cm | 0.1 µS/cm | 1 µS/cm 0.01 mS/cm | 0.1 mS/cm
	TDS	0.01 ppm | 0.1 ppm | 1 ppm 0.01 ppt | 0.1 ppt
	Temp.	0.1°C
Accuracy (at 25°C/77°F)	EC	±1% f.s.
	TDS	±1% f.s.
	Temp.	±0.5 °C
Calibration	EC	Offset at 0.00 µS/cm; Slope at 1 point with 6 memorized values (84.0, 1413 µS/cm; 5.00, 12.88, 80.0, 111.8 mS/cm) or with custom value
Memory		Log-on-demand: Up to 250 samples
Probes (included)		AD76309 - Stainless steel, 4-ring EC/TDS/Temperature probe with DIN connector and 1 m cable
Power supply		12 Vdc power adapter
Dimensions		230 x 180 x 50 mm
Weight		1.8 kg

AD3000 is supplied with

AD76309 - EC/TDS/Temperature probe with built-in temperature sensor; **AD70031** - 1413 µS/cm calibration solutions in sachet (20 ml); **AD70030** - 12.88 mS/cm calibration solutions in sachet (20 ml); 12 Vdc power adapter; Instruction manual.

Accessories

AD76309 - EC/TDS/Temperature probe with built-in temperature sensor
AD7030 - 12.88 mS/cm EC standard solution (230 ml bottle)
AD7031 - 1413 µS/cm EC calibration solution (230 ml bottle)
AD7032 - 1382 ppm calibration solution (230 ml bottle)
AD7033 - 84 µS/cm calibration solution (230 ml bottle)
AD7034 - 80000 µS/cm calibration solution (230 ml bottle)
AD7035 - 111800 µS/cm calibration solution (230 ml bottle)
AD7039 - 5000 µS/cm calibration solution (230 ml bottle)
AD7000 - Rinse solution (230 ml bottle)
AD7061 - Electrode cleaning solution (230 ml bottle)

Electrodes, Probes and other Accessories see on page 18; Calibration, Rinse and other solutions see on page 20