

AD8000

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



AD8000 is a microprocessor-based pH, ORP, conductivity, TDS, and temperature benchtop meter. Relative mV feature is also provided. The auto-ranging feature of the EC and TDS ranges automatically sets the instrument to the scale with the highest resolution. pH measurements are compensated for temperature effect automatically (ATC) using an AD7662 temperature probe, while the EC readings can be compensated automatically (ATC) using the supplied conductivity probe with a built-in temperature sensor, or manually (MTC). It is also possible to disable the temperature compensation and measure the actual conductivity. The temperature coefficient is user selectable. The pH calibration can be performed at 1, 2, or 3 points with five memorized buffers (pH 4.01, 6.86, 7.01, 9.18, 10.01).

Besides, **AD8000** is provided with calibration timeout alarm, GLP feature to view last calibration data, and automatic HOLD feature to freeze the first stable reading on the LCD.

AD8000	
Range	pH -2.00 to 16.00 pH / -2.000 to 16.000 pH
	ORP ± 699.9 mV / ± 2000 mV
	EC 0.00 to 19.99 $\mu\text{S}/\text{cm}$ 20.0 to 199.9 $\mu\text{S}/\text{cm}$ 200 to 1999 $\mu\text{S}/\text{cm}$ 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 (pH range) 0.0 to 100.0°C (EC range)
Resolution	pH 0.01 pH / 0.001 pH
	ORP 0.1 mV (± 699.9 mV) / 1 mV (± 2000 mV)
	EC 0.01 $\mu\text{S}/\text{cm}$ 0.1 $\mu\text{S}/\text{cm}$ 1 $\mu\text{S}/\text{cm}$ 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)	pH ± 0.01 pH / ± 0.002 pH
	ORP ± 0.2 mV up to ± 699.9 mV ± 1 mV up to ± 2000 mV
	EC $\pm 1\%$ f.s.
	TDS $\pm 1\%$ f.s.
	Temp. ± 0.5 °C
Calibration	pH Up to 3-point calibration, 5 buffer available (4.01, 6.86, 7.01, 9.18, 10.01 pH)
	EC Offset at 0.00 $\mu\text{S}/\text{cm}$; Slope at 1 point with 6 memorized values (84.0, 1413 $\mu\text{S}/\text{cm}$; 5.00, 12.88, 80.0, 111.8 mS/cm) or with custom value
Probes (included)	AD1131B - Refillable, glass body pH electrode with double junction, BNC connector and 1 m cable; AD76309 - Stainless steel, 4-ring EC/TDS/Temperature probe with DIN connector and 1 m cable; AD7662 - Stainless steel temperature probe with 1 m cable
Power supply	12 Vdc power adapter
Dimensions	230 x 180 x 50 mm
Weight	1.8 kg

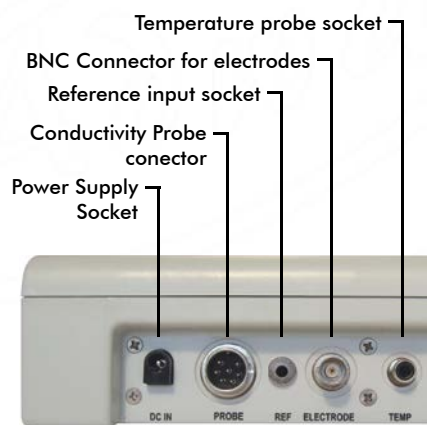
AD8000 is supplied with

AD1131B - Refillable glass body pH electrode with BNC connector and 1 m cable; **AD76309** - EC/TDS/Temperature probe with built-in temperature sensor; **AD7662** - Stainless steel temperature probe with 1 m cable; Electrode holder; **AD70004** - pH4 calibration solution in sachet (20 ml); **AD70007** - pH7 calibration solutions in sachet (20 ml); **AD70031** - 1413 $\mu\text{S}/\text{cm}$ calibration solutions in sachet (20 ml); **AD70030** - 12.88 mS/cm calibration solutions in sachet (20 ml); 12 Vdc power adapter; Instruction manual.



EC/TDS/Temperature and pH electrode included

The AD8000 comes with the AD76309 EC/TDS/Temperature probe with a built-in temperature sensor, with the AD1131B refillable, glass body pH electrode and with the AD7662 stainless steel temperature probe.



- Optional ORP electrode
- AD3230B Gel filled combination ORP electrode with platinum contact



- Optional electrode holder
- AD9315 is an adjustable arm with great stability and flexibility

Accessories

- AD1131B** - pH electrode
- AD1230B** - pH electrode
- AD1286** - pH electrode
- AD3230B** - Combination ORP electrode
- AD76309** - EC/TDS/Temperature probe with built-in temperature sensor
- AD7662** - Temperature probe
- AD7000** - Rinse solution, 20 ml sachet (230 ml bottle)
- AD7004** - pH 4.01 calibration solution (230 ml bottle)
- AD7007** - pH 7.01 calibration solution (230 ml bottle)
- AD7010** - pH 10.01 calibration solution (230 ml bottle)
- AD7030** - 12.88 mS/cm EC standard solution (230 ml bottle)
- AD7031** - 1413 $\mu\text{S}/\text{cm}$ EC calibration solution (230 ml bottle)
- AD7032** - 1382 ppm calibration solution (230 ml bottle)
- AD7033** - 84 $\mu\text{S}/\text{cm}$ calibration solution (230 ml bottle)
- AD7034** - 80000 $\mu\text{S}/\text{cm}$ calibration solution (230 ml bottle)
- AD7035** - 111800 $\mu\text{S}/\text{cm}$ calibration solution (230 ml bottle)
- AD7039** - 5000 $\mu\text{S}/\text{cm}$ calibration solution (230 ml bottle)
- AD7020** - ORP test solution, 200/275 mV (230 ml bottle)
- AD70300** - Electrode storage solution (230 ml bottle)
- AD7061** - Electrode cleaning solution (230 ml bottle)
- AD7082** - Electrode refillable solution 3.5 M KCl (30 ml bottle, 4 pcs.)
- AD7082S** - Electrode refillable solution 3.5 M KCl (30 ml bottle)
- AD9315** - Electrode holder

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

GLP

GLP is a set of functions that allow data storage (and retrieval) about the electrode status and maintenance. All data regarding pH, relative mV and EC calibrations are stored in the instrument memory.

Autoranging

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



Hold Function

Freeze the first stable reading on the LCD.