

## AD310-AD410

### Standard Professional Conductivity-Temperature [AD310] and TDS-Temperature [AD410] Portable Meters

**AD310** and **AD410** are portable microprocessor-based instruments for measuring EC or TDS, and temperature.

The auto ranging feature of the EC and TDS readings automatically sets the instrument to the scale with the highest resolution.

Measurements are compensated for temperature effect automatically (ATC) or manually (MTC). The temperature compensation feature can also be disabled to measure actual conductivity or TDS. The temperature coefficient is user selectable. The instruments also feature a measurement stability indicator.



#### AD310 is supplied with

**AD76309** - EC/TDS/Temperature probe with built-in temperature sensor and 1 m cable; **AD70031** - 1413 µS/cm calibration solutions in sachet (20 ml); Batteries (4 x 1.5V, AA alkaline); Instruction manual

#### AD410 is supplied with

**AD76309** - EC/TDS/Temperature probe with built-in temperature sensor and 1 m cable; **AD70032** - 1382 ppm calibration solutions in sachet (20 ml); Batteries (4 x 1.5V, AA alkaline); Instruction manual

	AD310	AD410
Range	EC	19.99 µS/cm   199.9 µS/cm   1999 µS/cm 19.99 mS/cm   199.9 mS/cm
	TDS	9.99 ppm   99.9 ppm   999 ppm 9.99 ppt   99.9 ppt
	Temp.	-9.9 to 120.0°C
Resolution	EC	0.01 µS/cm   0.1 µS/cm   1 µS/cm 0.01 mS/cm   0.1 mS/cm
	TDS	-
	Temp.	0.1°C
Accuracy (at 25°C/77°F)	EC	±1% f.s.
	TDS	-
	Temp.	±0.5°C
Calibration	EC	Offset: 0.0 µS/cm; Slope: 1 point with 6 memorized standards (84.0, 1413 µS/cm; 5.00, 12.88, 80.0, 111.8 mS/cm) or one custom value
	TDS	-
Temperature Compensation	ATC/MTC, -9.9 to 120.0°C	ATC/MTC, -9.9 to 120.0°C
Temperature Coefficient	Selectable from 0.00 to 6.00% / °C	Selectable from 0.00 to 6.00% / °C
Reference Temperature	Selectable at 20.0 or 25.0°C	Selectable at 20.0 or 25.0°C
Probe (Included)	AD76309 - Stainless steel, 4-ring EC/TDS/Temperature probe with DIN connector and 1 m cable	
Battery Type / Life	4 x 1.5V AA batteries / Approx. 200 hours of continuous use	
Dimensions / Weight	70 x 145 x 26 mm / Approx. 200 g	

#### Accessories

Find an accessory guide for portable meters on page 13

## Professional Waterproof Portable Meters

#### ATC / MTC

Automatic and manual temperature compensation.

#### Stability indicator

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

#### GLP

GLP allows storage and retrieval of data regarding the status of the system.

#### Memory

Store your current readings, samples on demand, with a time stamp.

#### PC Interface

Logged data can be transferred to a PC or printer through the RS232 port.

#### Auto Shut-off

To save battery life, the meters have an auto-off feature.

#### Low battery indicator

When the batteries become weak, the battery symbol on the LCD lights up to indicate a low battery condition.

	pH	ORP	EC	TDS	Temperature	Dissolved Oxygen	ATC	MTC	Stability Indicator	Low Battery Indicator	Hold Function	Auto Shut-off	Pc Interface	GLP	Memory
AD130	•	•			•		•	•	•	•	•	•			
AD131	•	•			•		•	•	•	•	•	•		•	
AD132	•	•			•		•	•	•	•	•	•	•	•	•
AD330			•	•	•		•	•	•	•	•	•		•	
AD331			•	•	•		•	•	•	•	•	•		•	
AD332			•	•	•		•	•	•	•	•	•	•	•	•
AD630			•	•	•		•	•	•	•	•	•	•	•	•

