

EC/TDS/Salinity/Temp Bench Meter

AK135 - Max

Conductivity measurement is key for evaluating the ability of a solution to conduct electricity, reflecting the presence of dissolved ions. This measurement is crucial in several areas, such as in water treatment to ensure the quality of drinking water, in the chemical and pharmaceutical industries to ensure the purity of solutions, in agriculture to adjust fertilizers and prevent soil salinization, in aquaculture to maintain ideal conditions for aquatic organisms and in the control of industrial processes to ensure efficiency and operational safety. The Akso AK135 Benchtop Conductivity Meter is the ideal tool for laboratories that need to accurately monitor conductivity in each of these applications. It provides crucial data for water quality, industrial processes and more. With its advanced features and flexibility, the AK135 is essential for ensuring reliable and accurate measurements.

Main Features of the AK135:

Automatic Temperature Compensation (0 to 60°C): Automatically adjusts readings to compensate for temperature variations, ensuring accuracy.

Custom Conductivity Adjustment: Allows you to adapt the measurement range according to specific needs.

Conductivity Cell K=1: Provides accurate measurements with a high-quality cell.

Adjustable TDS Factor (0.30 to 1.00): Adjusts the total dissolved solids (TDS) factor for different sample types.

Automatic shutdown: Saves energy by turning off the device when not in use.

Adjustable Display Lighting: Adjusts display brightness for clear viewing in any lighting condition.

Memory for 100 Records: Stores your measurements for easy reference and later analysis.



2

years warranty

(INSTRUMENT)

6

months warranty

(PROBE)

AKSO

SPECIFICATIONS

Range:	Resolution:	Accuracy:
pH: 0.0 to 199.9 $\mu\text{S/cm}$ 200 to 1999 $\mu\text{S/cm}$ 2.00 to 19.99 mS/cm 20.0 to 150.0 mS/cm	0.1 $\mu\text{S/cm}$ 1 $\mu\text{S/cm}$ 0.01 mS/cm 0.1 mS/cm	$\pm 2\%FS$
Salinity: 0.00 to 9.99 ppt 10.0 to 42.0 ppt	0.01 ppt 0.1 ppt	$\pm 2\%FS$
TDS: 0 to 199.9 ppm 200 to 1999 ppm 2.00 to 19.99 ppt 20.0 to 97.5 ppt*	0.1 ppm 1 ppm 0.01 ppt 0.1 ppt	$\pm 2\%FS$
Temperature: 0 to 60°	0.1°C	$\pm 0.5^\circ\text{C}$

*for TDS factor of 0.65

Temperature compensation:	Automatic (Auto):	0 to 60 °C
TDS factor:		Configurable from 0.30 to 1.00
Conductivity cell:		K=1
Memory:		100 records
Backlight:		Configurable
Reading (HOLD):		Manual
Operating temperature:		0 to 60 °C
Operating humidity:		10 to 90 %RH
Protection:		IP65
Power supply:		220VAC/12VDC
Low battery indicator:		Visual
Dimensions (WxHxL):		216 x 190 x 59 mm

AK135 is supplied complete with:

- AK1020 EC/TDS/Salinity/Temp probe
- AK1070 electrode holder
- 12 AC/DC AK1075 adapter
- 20ml calibration solution - 1413 μS and 12.88 mS