TECHWAY INSTRUMENTS

An **electrical conductivity meter** (**EC meter**) measures the electrical conductivity in a solution mainly water. It is commonly used in hydroponics, aquaculture and freshwater systems to monitor the amount of nutrients, salts or impurities in the water. The conductivity of a solution is highly temperature dependent, therefore it is important to either use a temperature compensated instrument, or calibrate the instrument at the same temperature as the solution being measured. A conductivity meter measures the amount of electrical current or conductance in a solution. The meter is equipped with a probe for on-site measurements. After the probe is placed in the liquid to be measured, the meter applies voltage between two electrodes inside the probe. Electrical resistance from the solution causes a drop in voltage, which is read by the meter. The meter converts this reading to microSiemens per centimeter. This value indicates the total dissolved solids. A total dissolved solid is the amount of solids that can pass through a glass-fiber filter.

Online Conductivity Meter

TECHNICAL SPECIFICATION:

Measurement Range: 0 – 1999uS/cm (user selectable 0 -19.9 us, 0 – 199.9 us, 0 – 1999 us*)-(* micro Siemens).
Accuracy: 2 % FS.
Display: 3.5 Digits Bright LCD.
Electrode: PVC structure.
Output: 4 – 20 mA.
Service Medium Temp.: 60 Deg.C.
Temperature Compensation Range: upto 60 Deg.C with 25 Deg.C. as Ref.Temperature.
Cable Length: 5 mtr.
Power Supply: 220 V AC.
Dimension: 96 x 48.(Breadth x Heigth) x 100 mm Depth

FEATURES:

Automatic Zero Adjustment, Automatic Temperature Compensation, Selection of Range, Key Pad Programming.

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