

pH Electrode CA-11



- pH range :- 0 -14 pH
- Model No :- CA-11
- Type :- Hand-Held
- Temp. Range :- 0 - 55 deg. C
- Brand :- TOSNIWAL
- Usage :- Industrial
- Wire Length :- 5 Meter
- Material :- Glass

Price: ₹1,650.00 Original price was:
₹1,650.00. ~~₹1,500.00~~ Current price is: ₹1,500.00.

Categories: [pH Electrodes](#)

Product Description

What a pH electrode does is quite simple—It measures the difference in hydrogen ions between two solutions. This tells the user how acidic/basic the solution is, which determines how chemicals may react in the solution. How an electrode performs this measurement is significantly more difficult to understand, but it is worth knowing to ensure proper use in an application. This article provides thorough but easy-to-follow examples showing how a pH electrode works, with the only background information required being a basic understanding of chemistry.

pH Electrode CA-11

Wide-range pH electrodes function over the activity range 1 M H^+ (pH 0) to 10^{-14} M H^+ (pH 14). pH scale. Image Credit: pH measurement with a glass pH electrode relies on the measurement of a voltage. In order to measure the voltage, two points with different electrical potential values are required. The reference electrode is designed to maintain a constant electrical potential that is independent of the sample composition and temperature.

Price: ~~₹1,400.00~~ Original price was: ₹1,400.00. ~~₹1,250.00~~ Current price is: ₹1,250.00.

Categories: [pH Electrodes](#)



Product Description

The pH meter is calibrated with solutions of known pH, typically before each use, to ensure accuracy of measurement. To measure the pH of a solution, the electrodes are used as probes, which are dipped into the test solutions and held there sufficiently long for the hydrogen ions in the test solution to equilibrate with the ions on the surface of the bulb on the glass electrode. It provides a known reference potential for the pH electrode. **The difference in the potentials of the pH and reference electrodes provides a milli volt. signal proportional to pH.** Most pH sensors are designed to produce a 0 mV signal at 7.0 pH, with a slope of pH at 25°C.

pH Electrode CAPJ-LC

- pH range 0 to 14 pH
- Model CAPJ-LC
- Type Hand-Held
- Temp. Range 0 to 55 deg. C
- Brand TOSHCON
- Usage/Application Industrial
- material Glass PVC Coted

Price: ₹1,950.00 Original price was:
₹1,950.00. ~~₹1,850.00~~ Current price is: ₹1,850.00.

Categories: [pH Electrodes](#)



Product Description

pH electro working principle of pH sensor electrode and pH meter :-

- **Working** principle of **pH** sensor **electrode** and **pH** meter used in quality control and manufacturing area. A **pH** meter is used to determine the acidity or alkalinity of the solution. **pH** is the concentration of hydrogen ions in the solution. A solution containing more H + ions remains acidic while the solution containing more OH - ions remains alkaline.
- The workings of the original **pH** electrodes and modern electrodes have not changed much, however there have been new designs as technology improved such as combination electrodes, double junction electrodes, gel-filled electrodes, solid state electrodes, Ion Selective Electrodes and epoxy body electrodes