
Conductivity Electrode

Quick Help Guide

This electrode is a hand crafted, precision analytical device. Carefully read this instruction sheet for best performance and electrode life.

Introduction

Conductivity probes are used with a conductivity meter to measure the conductance of a solution. There is an array of conductivity cells available with different cell materials, cell constants, body materials, connectors, and ATC elements. Choose a probe with a proper cell constant, temperature compensator, and connector to match the meter being used and the range to be measured. Glass body probes with platinum cells are suitable for almost all applications, even solutions with organic solvents. Epoxy body probes with platinum cells offer not only a wide measuring range capability, but also epoxy body durability. Epoxy body probes with carbon cells are designed for general purpose measurements.

Specifications

The cell constant tolerance for platinum cells is $\pm 10\%$. The cell constant tolerance of carbon cells is $\pm 20\%$.

Electrode Preparation & Meter Calibration

Before using a conductivity probe, soak the probe in distilled water for about 30 minutes. Ensure the measuring cells are clean.

Maintenance

Do not touch the probe cell surface with any hard object. If the probe cell surface is contaminated, soak the probe cell portion in light detergent and mild acid for about 15 minutes respectively. Rinse the probe well with distilled Water. Most platinum cells are electroplated with a layer of black platinum for better performance. Re-electroplate the platinum cells when the probe can no longer perform proper calibration.
