Ion Selective Electrode, Potassium



Brand:
Product Code: 147-10-2
Availability: Call for availability
Lead Time: 45

Description

In an ISE electrode, the potential developed between the sensing and the reference electrodes is a measure of the activity of the specific reactive ion. Time consuming steps such as filtration, weighing, distillation, and titration are not required. Liquids that are dark or colored are easily analyzed without having to see an obscured end-point. The electrode method, with practice, results in fewer mistakes and tighter standard deviations. Direct measurements are independent of sample volume and analysis may be run on samples as small as a 5 mL. With the Ion 6 and Ion 510 meters, the ppm concentration may be read directly from the meter display, leading to direct reproducible electrode measurements.

Each electrode has a typical response time of 20 to 30 seconds but will vary with solution concentration. Double-junction electrodes are ideal for testing solutions with suspended particles and for heavy metals or organics. All electrodes are refillable and include 15 mL of electrolyte, a filling pipette, and instructions. The Solution Kit is necessary and contains the solutions and accessories needed for calibration, sample preparation, and measurement of ion concentration and activity. Solution Kits include replacement reference electrolyte, ionic strength adjustor (ISA), calibration standards (1,000 ppm), and a filling pipette. Serial dilutions for lower values may be obtained with an optional labware kit consisting of plastic beakers, flasks, and pipettes.

All ISE Electrodes have glass bodies, double-junction reference Electrodes, Solution Kits, and BNC connections.

These electrodes are designed to work with #147-04 and #147-06 pH Meters.