Fisher Acumet AB15 pH Meter

pH Meter

Tool Type: Measurement
Location: Microfluidics Lab
Description: pH meter
Manufacturer: Fisher Scientific

About

This pH meter allows you to measure pH, absolute mV, relative mV or temperature, select one of three sets of standard buffer groups, and standardize with up to 5/6 buffers.

Safety Concerns

“Proper electrode care is fundamental to obtaining reliable pH measurements. Improper care of the electrode may cause the meter reading to drift, respond slowly, or produce erroneous readings. For this reason, the electrode should always be conditioned and used in accordance with manufacturer’s instructions.”

Operating Procedures

1. Connect electrode arm to the base
2. Connect power cable to outlet
3. Remove protective cover from electrode
4. Before first use of a glass electrode, soak it for 2-4 hours in an electrode storage solution, pH 4 buffer, or KCI solution
5. Remove the shortening cap from input 1 to connect the combination pH electrode. If a combination electrode isn’t used, connect the indicating pH electrode. Plug the reference electrode into ref 1. Also, install the ATC probe into the ATC 1.
6. Rinse and blot-dry (don’t wipe) electrodes between each measurement using DI water.

7. Between measurements, store conventional pH electrodes in storage solution, pH 4 buffer, or KCl solution. Always leave the filling hole of liquid filled and combination electrodes open. Refill when the level of solution gets below the manufacturer's recommended level.

Detailed Specifications

Relative accuracy: ±0.01 Range: -1.99 to 19.99

Reference Documentation

User Manual

Standardization Procedure
