


# Fisher Acumet AB15 pH Meter

pH Meter
 A photograph of the Fisher Acumet AB15 pH meter. The device is white with a blue accent at the bottom. The LCD screen displays a pH reading of 7.00 and a temperature of 75.2. The meter has several control buttons on the right side and a probe arm at the top.
<b>Tool Type:</b> Measurement
<b>Location:</b> Microfluidics Lab
<b>Description:</b> pH meter
<b>Manufacturer:</b> Fisher Scientific

## About

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## 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.”

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## 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 KCl 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:  $\pm 0.01$  Range: -1.99 to 19.99

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## Reference Documentation

[User Manual](#)

[Standardization Procedure](#)

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Last update: **2023/01/05 22:57**

