

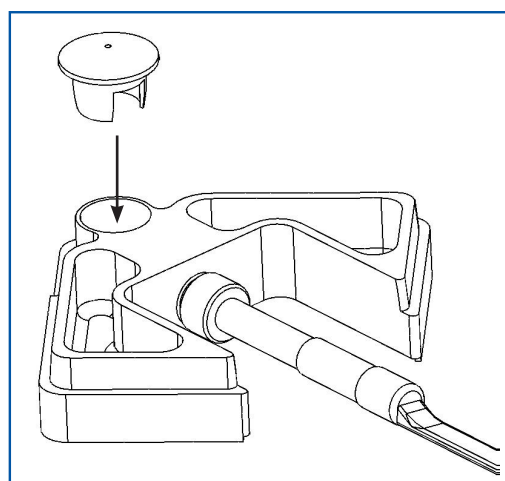
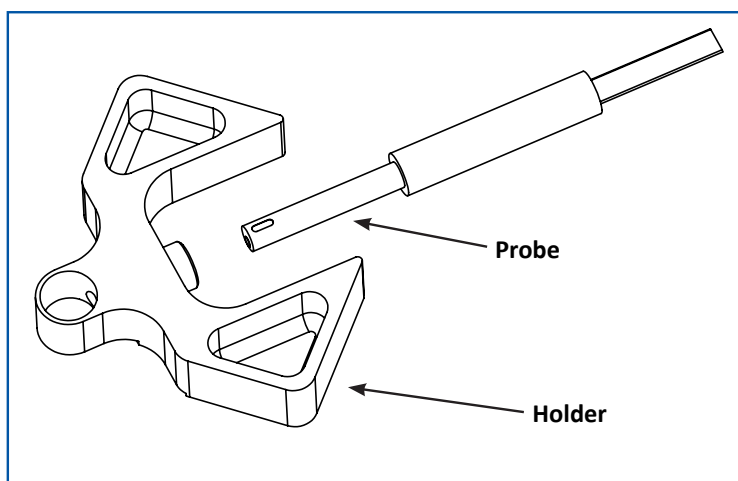
## pH Meter 3

### Probe Care and Storage

Remove the protective cover from the probe prior to use. Keep this cover and replace it when storing the probe. If the probe has not been used for two or more days and has been stored dry, clean and refresh as per the instructions on page 41 of the pH Meter 3 User Manual.

### Assembling the RI pH Probe

1. Push the end of the probe into the holder as shown below. There will be some resistance as the probe pushes through the internal O-ring seal.
2. Make sure the sensor strip (the black strip) on the tip of the probe is facing upwards
3. A plastic cap is supplied to minimise evaporation and CO<sub>2</sub> absorption during calibration and drift testing.



### Operation - Before Each Use

1. Make sure the battery is charged
2. Remove the protective cap from the probe and keep it safe
3. Test with buffer 7. (See pH Meter 3 User Manual as temperature affects buffer readings)
4. Check that the meter shows the correct pH. If not, recalibrate.

## Using the Meter

Rinse the probe and cavity with distilled/deionised water and fill with media. The rinse water and media should be at 37°C before filling to avoid sudden temperature differences which may affect the reading. If rinse water or media are not at 37°C, then allow time for the display to show a steady temperature before taking a reading.

The media sample should be prepared according to your normal procedure (with or without oil). Fill the probe holder with media and make sure there are no air bubbles around the sensor. Make sure that the probe is completely covered by the media.



If a culture media pH is recorded that is outside the range specified by the media manufacturer, do not immediately change the CO<sub>2</sub> concentration or any other incubation parameters. First, check the measurement of a sample of buffer 7. Recalibrate the meter and repeat the measurement. If the reading is still out of range then contact your media manufacturer for advice before proceeding.

## After Use

1. Clean the probe and holder (page 41 of the pH Meter User Manual)
2. Refresh (page 40 of the pH Meter User Manual)
3. Replace protective cap on the probe
4. Store correctly (page 7 of the pH Meter User Manual)

## Using the Probe in an Incubator

Place the probe inside the incubator alongside the dishes containing the cultured specimens. The flat ribbon cable is used so that it can pass under the door seals. Place the meter in a convenient location alongside or on top of the incubator.



*It is not intended that this device comes into direct contact with any tissue samples being treated in a clinical setting or with media which is in direct contact with such samples.*