



**GAWANDE COLLEGE OF
PHARMACY.**

Sakharkherda, Lavala Road, Tq.
Sindkhed Raja
Dist.Buldhana



Department: **Analytical Chemistry**

Name of the instrument: **P^HMETER**

S.O.P. No.: GCP/PH/013

Stock Register No.: AC00-02/02

Effective date: 6/2/17

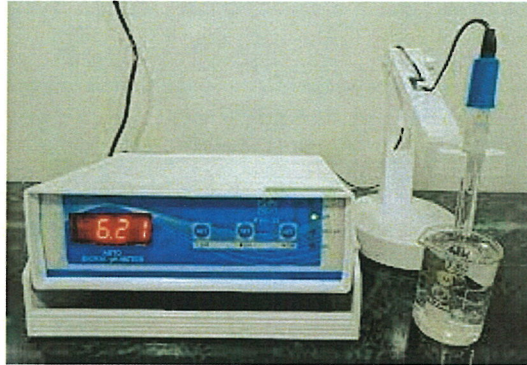
Review date: 15/2/17

Procedure:

1. Ensure that instrument is clean and free from dust.
2. Ensure that plug is connected to the mains.
3. Press power 'ON/OFF' switch at the rear panel to 'ON' position.
4. Connect Glass and Reference electrode to appropriate terminals at the rear panel.
5. Set the temperature compensation knob to the temperature of solution.
6. Place the electrode in Buffer - '7'
7. Press "stand by"/ "Read" switch on the front panel to "Read".
8. Adjust ASM (Asymmetry potential knob) control knob to read 7 pH in the Display.
9. Bring the "stand by"/ "Read" switch back to "stand-by".
10. Remove the electrode from Buffer '7'. Wash and place them in Buffer '4' or '9.2'.
11. Press "stand by"/ "Read" switch to "Read".
12. Adjust SLP control knob (Slope control knob) to read '4' pH or '9.2' pH in the display.
13. Check back Buffer '7' and adjust ASM control if necessary.
14. Repeat 7 and 4 or 9.2 Buffers till read both the Buffers values correctly.
15. Rinsed the electrode with distilled water and placed it in sample and read

sample pH.

16. Switch OFF the instrument when not in use for long period.



P^HMETER

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