

9.3 Auto Abbe Refractometer Operation Guide¹

1. Turn on unit from switch on back of instrument.
2. Turn on water pump next to instrument
3. Let instrument warm up for at least 10 minutes
4. Select Mode “nD” or nD-TC (refractive index temperature compensated)
5. Calibrate place water on prism using plastic pipette and close cover wait for 2 minutes select then press Calibrate
6. Press read switch should give you an nD value for water
7. Machine is now ready for routine operation
8. Place sample in the sample well use plastic pipette, press read switch to get a reading
9. Immediately clean off your sample wipe off gently with dry lens tissue. Then use methanol. Finally do a water wash and dry off with lens tissue.
10. To check automatic temperature compensation
11. Again place water to sample well
12. Close cover and wait 2 minutes
13. Put instrument in nD mode
14. Press read switch and record value
15. Press temperature switch and record value
16. Compare water refractive index at that temperature see manual by machine
17. Turning off machine please turn off the water pump next to the machine first, then, the refractometer.
18. Any other questions read manual by instrument.

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