

ARTERIAL BLOOD GAS ANALYSER

1. Should be able to measure directly PH, PCO₂, PO₂, Sodium, Potassium, Chloride, and Calcium in a single run.
2. Should have minimum 15 calculated parameters including SaO₂, Bi-carbonate (HCO₃), Standard HCO₃, Base Excess of Blood (BE), Base Excess of extra cellular fluid
3. Should have a sample through put of minimum 30 samples per hour
4. Should have an automatic calibration for all the measured parameters without the use of gas cylinder
5. Electrode should be individual with ON/OFF facility and durable.
6. Should have an inbuilt printer and minimum inbuilt memory of 100 samples
7. Warm up time should be less than 30 minutes
8. Reagent pack for doing 1000 test, one deprotieniser of 125 ml, printer paper and one three level quality control of 5ml.
9. Should work on 200-240Vac 50Hz power supply.
10. Should be supplied with on line pure sine wave UPS of sufficient capacity for a minimum back of 30 minutes.
11. Should be provided with calibration certificate issued by the manufacturer at the time of installation and calibration certificate should be issued for the machine by the supplier during preventive maintenance visit in the warranty/AMC period if demanded by the end user.
12. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.
13. All types of electrodes supplied initially shall have one year warranty and there after any types of electrodes supplied shall have six months warranty.
14. Reagents supplied should have at least six months shelf life.
15. All consumables should have at least 45 days on-board stability.