

Atomic Absorption Spectrophotometer (AAS)

- Computer controlled true double beam Atomic Absorption Spectrophotometer.
- Eight Lamp automatic Turret with independent eight power supplies with coded lamp compatible.
- Monochromator with wavelength range 190-900nm. Holographic grating of high density of not less than 1800 lines /mm.
- Must have wave length locating by automatic peak searching, auto loading of all parameters and auto band width selection and continuously variable selection 0.2 to 2 nm with D2 lamp background correction.
- Titanium burners for Acetylene nitrous oxide (C₂H₂-N₂O) & Acetylene Air (C₂H₂-AIR) with precise knobs for burner optimization i.e., height rotational and lateral.
- Fully inert nebulizer.
- Gas System with automatic flame change over, fully safety interlock including pressure sensors on both line, power failure protection, burner interlock and flame sensor, flame ignition should be automatic.
- Burner movement through computer, all three directional, height, rotation lateral.
- PTFE spray chamber and adjustable impact bead aerosol.
- PC Operation software should be able to run with MS windows latest/open source software should be compliance with international quality norms should have upgradable facility.
- Suitable latest computer system ISO Certified and coloured Laser printer should be quoted. The system may also be upgraded with all major accessories. Suitable for 230V ±10%, 50HZ operation.
- Single element coded Hallow Cathode Lamp: Cu, Fe, Zn, Mn, Mg, B, K, Mo.
- System should have facilities of repeat of result of same sample and sate treatment, Automatic calculation of percentage in base material.
- **Instrument should meet the CE Standards for Safety, EMI & EMC with test reports from certified laboratory (TUV/UL).**
- **Accessories:**
Acetylene and Nitrous Oxide gas certified Cylinders with regulator.
Filled Cylinders for each gas, air compressor, air filter, voltage stabilizer spares and consumables for 2 years operations. SS exhaust fume hood with inert centrifugal blower, Instruction manual & circuit diagram to be provide. Spare one set Hallow Cathode Lamps of Cu, Fe, Zn, Mn.
- Training at the time of installation up to user level satisfaction.
- Standard Solutions of 1000PPm for each element under guarantee certificate. 