

1.SPECIFICATION OF DIGITAL AIR SAMPLER

- 1.1 Should be a portable microbial digital air sampler
- 1.2 Air sampler should be highly reliable with alpha numeric LCD display.
- 1.3 Air should be sampled through perforated lid and impacted on to surface of growth media
- 1.4 Should run with commercially available 90 mm standard petridish
- 1.5 The flow sensor should regulate flow and ensure a constant air flow at a rate of 100 litre/min during measurement
- 1.6 Should have an automatic calibration function.
- 1.7 Sampling volume should be 1 to 2000 litres
- 1.8 Standard sampling volume should be 50,100,250,500,1000 litres
- 1.9 Programmable start delay function of 0 to 60 min should be available
- 1.10 Storage of minimum 50 readings should be possible
- 1.11 Should have an RS 232/USB interface for PC should be available.
- 1.12 System should have a battery back up of at least 3 hours
- 1.13 Battery should be Ni-Cd or Li ion batteries
- 1.14 Compliant with guidelines of ISO 14698 part 1 and Part 2
- 1.15 Power supply: 230 V, 50 Hz AC supply
- 1.16 System should be supplied with all standard accessories