

Specifications for two different SMPS systems

1. Scanning mobility particle sizer with long DMA (size range of minimum 10 – 1000 nm)

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| Particle measurement size range | : 10 -1000 nm; lower diameter smaller than 10 nm would be given preference |
| Particle measurable types | : Solid and non volatile |
| Maximum input concentration count | : 10^6 or higher particles per cc at 10 nm size |
| DMA voltage scanning range | : As appropriate for the particle selection |
| Flow rate | : |
| Aerosols | Possibly adjustable (0.2 to 1 or higher lpm) |
| Sheath | Possibly adjustable (2 to 10 or higher lpm) |
| Instrument size | : Must be robust for laboratory operation |
| DMA type | : Should be able to measure the mentioned size |
| Condensation particle counter (CPC) | : Should come with appropriate and supporting model of condensation particle counter. Must be compatible and high range of particle count. |
| Accessories | : Please include all the necessary accessories including a laptop for data collection and operation. |
| Optional accessories | : Please quote the optional accessories separately |
| Radioactive source | Nickel 63 / supplier should make all the necessary arrangements / the AERB clearance for any other radioactive source. |
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The instrument is not for indoor monitoring but for long-term field and laboratory studies