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EPS-n (Electrical Particle Sizer with XRC-05)

EPS-n is an instrument which classifies a particle according to its electrical mobility. Electrical mobility of a particle is decided by fluid resistance for ce and electrostatic force and can be converted to an equivalent particle diameter. The biggest advantage of EPS-n is that Soft X ray is used as the neutralizer instead of radioactive sources. The Soft X ray charger is installed inside the EPS-n making it smaller and more portable than its previous models.

The EPS-n is a rudimentary instrument that generates mono-disperse aerosols and measures particle size distributions with high durability and repe atability.

HCT provides two type of DMA, depending on your preferred particle size range.

Benefits and Applications

Aerosol Generation System

- Fundamentals of aerosol research
- Monitoring outdoor and indoor air quality
- Filter Media Test for filter efficiency
- Particle formation or growth research
- Use for standard calibration tool of particle counter

SNPS

- Fundamentals of aerosol research
- Atmospheric environment research
- Research on semiconductor fabrication and material synthesis

SPECIFICATIONS

Maximum particle concentration : 10^7 particles/ ㎤

Particle size range

- Using DMA-20 : 7~ 830 nm
- Using DMA-05 : 2 ~ 160 nm

Flow rate :

- Aerosol : 0.1 ~ 1.5 L/min
- Sheath air : 1 ~ 15 L./min

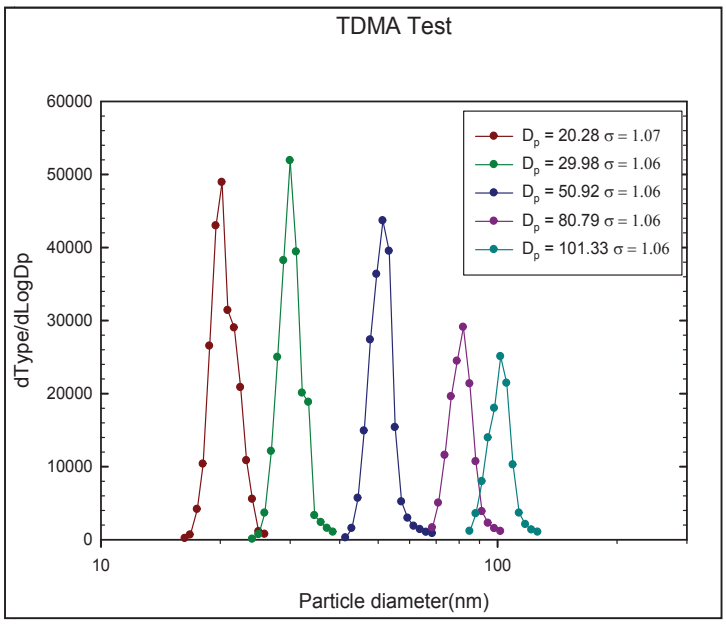
Aerosol temperature range : 10 ~ 35°C

Aerosol pressure range : 1 ± 0.1 ATM

Front panel display : 800 x 480 pixel

Power : 100 ~ 240 VAC, 50/60 Hz, 1.0A

Dimensions (LWH): 260x375x350 mm (14.8 x 10.2 x 17.8 in)



Parts Number

•	6C06001	Power Cable
•	6C05061	High voltage Cable
•	6C05063	BNC Cable
•	1801013	Impactor
•	1804000	DMA-05 (Optional)
•	1801000	DMA-20 (Optional)