

NPM-FDS 2.5 μ (A)



EASY SET-UP AND OPERATION

Model NPM-FDS2.5 μ is a fine dust sampler designed and developed as per the latest norms and comply with EPA reference method for determination of PM 2.5 as published in Federal Register 40CFR Part 50 Appendix L. It can also be used to collect particulate matter less than 10 microns without using the 2,5 μ WINS impactor. Instrument is easy to set up and suitable for out door use.

The standard instrument is supplied with PM10 sampling inlet, WINS impactor, orifice assembly for flow measurement, proportioning valve, sensors for ambient temperature and pressure, Filter holder to accommodate 47mm dia filter, and electronic controller to control flow and to set various parameters as per requirements. Sampling inlet, impactor, manufactured out of aluminum with machining, heat treatment, and surface coated as per EPA standards.

PM 2.5 SIZE SELECTIVE INLET EPA PM 2.5 WINS impactor

AMBIENT AND FILTER TEMPERATURE MEASUREMENT

Range : 0° C to 50° with resolution 0.1°C

Recording & Display: Average, Min. and Max. values of both temperatures

BAROMETRIC PRESSURE MEASUREMENT 600 to 800mm Hg with a resolution of 1mm Hg

SYSTEM LEAK TEST Internal & External with a resolution 1mm Hg

LEAK RATE < 80 cc per minute

DATA TRANSFER PORT Rs 232 serial port for data transfer to Computer or to Data terminal or USB Flash Drive to Pen Drive

VACUUM PUMP Diaphragm type pump working on 230 V

AC POWER 230 V AC +/- 10% 50 HZ

MICROPROCESSOR BASED ELECTRONIC CONTROLLER

- Flow rate setting and control
- Ambient temperature and pressure measurements
- Real Time Clock & Timer, (date and time of sampling)
- LCD display 20 character x 4 lines
- Data transfer facility
- Large display and keyboard
- Automatic starts operating after power is retained
- Dimensions :- 940mm x 406mm x 368mm

FLOW RATES & VOLUME MEASUREMENTS

- Range 13 to 20 lpm, preset @16.67lpm+/-0.5%
- Accuracy +/- 0.5% of reading
- Electronic flow control system
- Volume Measurement M³ resolution : 0.01M³
- Averaging-Every 5 minutes
- Reporting-5 minutes average
- Computations-Flow average and coefficient of variance



Netel (India) Limited Head office W-303, MIDC, Rabale, TTC Industrial Area, Navi Mumbai 400701

T (022) 32560285 / 32560291 F (022) 27606015 www.netel-india.com E sales@netel-india.com, vms@netel-india.com

Factory W408, MIDC, Rabale, TTC Industrial Area, Navi Mumbai 400701. T(022) 27607102 / 32560293

Regional Sales & Service Offices - Chennai T (044) 24343591 / 32927521, E chennai@netel-india.com

Kolkata T (033) 32585333 / 32596100 E kolkata@netel-india.com New Delhi E delhi@netel-india.com

Baroda E baroda@netel-india.com Hyderabad E netelhyd@netel-india.com