



# NPM-FDS 2.5 $\mu$ (A)



## EASY SET-UP AND OPERATION

Model NPM-FDS2.5 $\mu$  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 $\mu$  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

**VACUUM PUMP** Diaphragm type pump working on 230 V

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

**HEIGHT** 2mtrs with a tripod stand

### 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
- Volume totalizer

### FLOW RATES & VOLUME MEASUREMENTS

- Range 13 to 20 lpm, preset @16.67lpm+/-10%
- Accuracy +/- 2% of reading
- Electronic flow control system
- Accuracy of control-Better than +/- 3% over 24 Hrs @16.67 LPM
- 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 S.V. Road, Manpada, Thane (W) 400607. T (022) 32560285 / 25890110 / 25890111  
F (022) 25890976 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 F (022) 27607101 **Regional Sales & Service Offices - Chennai** T (044)  
24343591 / 32927521, F (044)24343960 E chennai@netel-india.com **Kolkata** T (033) 22471911 / 22472510 F (033) 22876446  
E kolkata@netel-india.com **New Delhi** E delhi@netel-india.com **Baroda** T/F (0265) 2311181 E baroda@netel-india.com  
**Surat** (0261) 22840593 F 22840121 **Hyderabad** E netelhyd@netel-india.com