



Stack Monitoring Kit

Model : NPM – SMK1



Key Features

- ♣ Light weight sophisticated Aluminum Modules.
- ♣ Simultaneous sampling of particulate matter and gaseous emissions.
- ♣ Battery powered measuring module.
- ♣ Inclined cum vertical manometer with 0.25mm (0-50 scale) and 1mm (50-150 scale) resolution with spill proof arrangement.
- ♣ Unique tapered thimble holder for dust collection.



This advanced unit is designed as per specifications recommended by the Central Board for Prevention & Control of Water Pollution, New Delhi. Emission regulations (December 1985) Part III, Also recommended by Central & State Pollution Control Boards. It meets with EPA Regulations as well.

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Description

Netel's model NPM-SMK1 is designed to measure Temperature, Differential pressure and Static pressure for determination of velocity, volumetric flow and Particulate sampling under Isokinetic conditions. Monitoring of gaseous pollutants such as: Sulphur Dioxide (SO₂), Sulphur Trioxide (SO₃), Nitric Oxide (NO), Nitrogen Dioxide (NO₂), Hydrogen Sulfide & others.

Control Module

A light weight, compact Aluminum case with

- Digital Temperature display (Battery operated): 3 digits LCD readout for stack gas temperature ranging from 0-600°C with resolution of 1°C.
- Inclined cum Vertical Manometer: Fabricated acrylic block ranging from 0-150mm with resolution of 0.25mm (0-50mm) and 1mm (50-150mm). Provided Spirit Level for leveling and spill proof corks to avoid spillage of oil.
- Pilot Tubes: S-type fabricated from SS 304 is individually calibrated as per EPA regulations.
- Thermocouple: 1mtr. Long K type, thermocouple for measurement of gas temperature, ranging from 0-600°C

Flow Totalizer Module

A light weight, compact Aluminum case with Dry gas meter has a capacity to measure total volume with resolution of 1m³. Facilities for the measurement of dry gas temperature.

Impinger Module

A light weight, compact Aluminum case consists of Flow Measurement and Condenser part.

The Flow Measurement part includes

- Rotameters: 100 lpm for particulate sampling and 6lpm with fine control valve for gaseous sampling.
- Vacuum gauge: 760mm of Hg capacity

The Condenser part includes

- Set of four 120ml capacity and two 250ml capacity glass impinger tubes in double walled container having thermocouple insulation.

The company's policy is one of continuous development of its products, Therefore the right reserved to supply products, which may be modified from those illustrated and described in this literature.



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