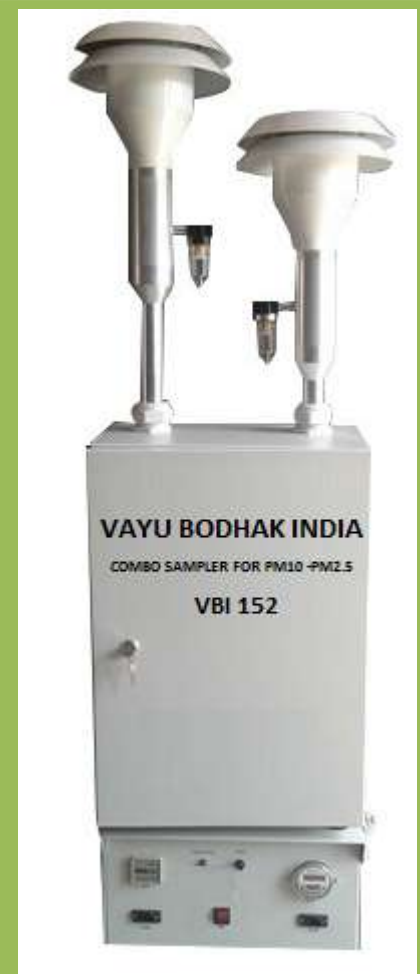


# COMBO DUST SAMPLER VBI-152

Combo Dust Sampler VBI-152 is latest Dust sampler for monitoring of Respirable Dust (PM10) and Fine Dust (PM2.5) simultaneously using the impactor designs standardized by USEPA for ambient air quality monitoring.

It can be useful for cement plants, food processing industry, construction sites and mining sites. This product is obtainable in various technical specifications as per the wide-ranging desires of our precious clients. Our Combo Dust Sampler is rigorously tested on diverse parameter to guarantee its superior performance. Our Gas Sampling attachment VBI-143 can also be used with this instrument for sampling of gaseous pollutant sampling of SO<sub>2</sub> and NO<sub>x</sub> etc.



## Silent Features

- Specially designed PM10 and PM2.5 Impactors based on US EPA standard designs
- Separate cabinet for Pump to ensures that temperature of PM 2.5 filter remains close to ambient temperature
- Imported Vacuum Pump with a low noise
- Critical Orifice maintains constant sampling rate of 1 m<sup>3</sup>/hour
- Light Weight and portable, 2 Cabinet Design
- Rugged Design, Long operational life with smooth functioning.
- Particle Collection on 47mm diameter GFA Filter Membrane.
- Programmable Timer for auto sampling at fixed time intervals

# VBI - 152 Technical Specifications

- **Flow Rate:** Constant sampling rate of 1 m<sup>3</sup>/hr unaffected by voltage fluctuation and filter choking maintained by critical orifice system
- **Vacuum Pump:** Oil Free, non-pulsating pump driven by induction motor for stable flow rate
- **Power requirement:** Nominal 220 V, Single Phase, 50Hz AC mains supply. For proper operation and safety a good earth connection is mandatory
- **Size Selective inlets:** Omni-directional air inlet with PM 10 separation through an impactor followed by PM 2.5 separation through a WINS Impactor
- **Sample Volume:** Dry Gas meter records the total air volume sampled
- **Filter Holder :**Filter holder designed to accept any standard 47 mm diameter filter media
- **Particle Size:** PM10 & PM2.5 particles are collected on separate 47mm diameter GFA Filter membrane.
- **Sampling Time Record:** 0 to 9999.99 hrs on Time Totalizer
- **Power Supply:** Single Phase 220V, 50 Hz AC power supply.
- **Automatic Sampling:** 24hrs programmable Timer for Automatic Sampling Interval.
- **Warranty:** One Year Manufacturer Warranty.

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