



COMPLETE ENVIRONMENTAL SOLUTIONS



Air, Sound, Water, Soil Pollution Monitoring Instruments Manufacturing, Sales, Servicing & Calibration
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PRODUCT LIST

AIR POLLUTION MONITORING INSTRUMENTS

- RESPIRABLE DUST SAMPLER (PM10)
- FINE PARTICULATE SAMPLER (PM2.5)
- COMBO SAMPLER (PM10+PM2.5)
- STACK SAMPLER
- HANDY DUST SAMPLER
- PERSONAL SAMPLER
- BENZENE SAMPLER
- LOW VOLUME SAMPLER
- GASEOUS POLLUTANT SAMPLER
- THERMO ELECTRICALLY COOLED GASEOUS ATTACHMENT
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- SOUND LEVEL METER
- WEATHER MONITOR
- LUX METER • VIBRATION METER
- TOP LOADING CALIBRATOR
- FLOW CALIBRATOR
- TIME CALIBRATOR
- SOUND LEVEL CALIBRATOR

LAB INSTRUMENTS

- BIO SAFTY CABINET
- FUME HOOD
- BOD INCUBATOR
- COD DIGESTOR
- AUTO CLAVE
- BIOLOGICAL INCUBATOR
- HOT AIR OVEN • WATER BATH
- HUMIDITY CHAMBER
- HOT PLATE
- DISTILLATION UNIT
- HEATING MENTLE
- KJELDAL ASSEMBLY

PUF SAMPLER APS 113PUF



Monitors pesticides, Poly Aromatic Hydrocarbons (PAHs) and Dioxins (PCDDs)

➤ OVERVIEW

- The APS 113PUF Sampler has been designed for monitoring Pesticides, Polynuclear Aromatic Hydrocarbons (PAHs) and Dioxins (PCDDs) in ambient air. Air enters the system through a Cyclone that traps the coarse particulates so that only PM10 size particles reach the filter holder. The system uses a Polyurethane Foam (PUF) sorbent placed below a particulate filter of 100mm diameter. The PUF holder is compatible with standard 75mm long, 60mm Dia PUF cartridges prescribed in applicable EPA methods TO-4A, TO-9A & TO-13A for high volume sampling of Dioxins, Furans etc. The APS 113PUF Sampler has been designed for monitoring Pesticides, Polynuclear Aromatic Hydrocarbons (PAHs) and Dioxins (PCDDs) in ambient air.

Features:

- Teflon Lined PUF holder compatible with standard 60mm dia PUF cartridges
- Brushless blower reduces equipment downtime and maintenance effort.
- Significantly reduced Noise
- Electromagnetic Interference (EMI) to TVs totally eliminated
- Over temperature cut-off protects Blower

- DEEP FRIZZER
- PH METER
- TDS METER
- CONDUCTIVITY METER
- SPECTROPHOMETR
- WEIGHING BALANCE
- MOISTURE ANALYZER
- DIGITAL ULTRASONIC CLEANER
- DO METER
- GRADIENT THERMAL CYCLEAR PCR
- ICE FLAKER
- ICE MAKER
- PROBE SONICATOR
- DIGITAL VISCOMETER
- DIGITAL PRESSURE INDICATOR
- LON SELECTIVE ELECTRODES
- POLARIMETERS
- VISCOMETERS
- PROBE SONICATOR- TOUCHSCREEN
- LON WITH PH METER-5 POINTS
- PH ELECTRODES
- MULTI PARAMETER / DO METER
- REFRACTO METERS
- GRADIENT THERMAL CYCLER
- ULTRASONIC CLEANERS
- CERAMIC HOTPLATE MAGNETIC STIRRER
- DIGITAL PIPETTES
- REFRIGERATED CIRCULATING BATH
- DIGITAL WATER BATH
- ANALOG MULTIMETER
- DIGITAL MULTIMETER
- BENCH TYPE TRUE RMS DIGITAL MULTIMETER
- AC CLAMP METER
- AC/DC CLAMP METER
- POWER CLAMP METER
- AC LEAKAGE CURRENT TESTER
- EARTH LEAKAGE
- INSULATION RESISTANCE TESTER
- PHASE ROTATION METER
- VOLTAGE DETECTOR
- DIGITAL CAPACITANCE METER
- DIGITAL LCR METER
- DIGITAL MILLIOHM METER
- LUX METER

SPECIFICATION: -



Flow Rate	200 - 300 liters/min user adjustable via suitable motor speed control
Particle Fractionator	A cyclone device designed for flow range of 200-250 liter/min for fractionating dust into two fractions. PM10 dust is accumulated on the filter paper while coarse dust is collected in a cup placed under the cyclone.
Puf Cartridge	Polyurethane foam for trapping the low molecular weight PAH and PCBs Size: 60mm diameter length about 75mm.
Puf Housing	Housing of APM 460PUF is compatible with Standard borosilicate glass cartridges available from SKC or other international vendors. It is lined with Teflon and fitted at the bottom of filter adapter casting.
Recommended Filter	Any standard 100mm diameter filter.
Elapsed Time Indicator	Electromechanical Time Totalizer (0 to 9999.99 hours) accurate upto 0.6 minute gives actual operation time of the sampler.
Automatic sampling time control	A programmable Digital Timer is used to shut off the sampler after a preset sampling interval.
Blower	Brushless induction motor driven with inbuilt over temperature protection.
Power Requirements	Nominal, 220V, Single Phase, 50-Hz AC mains supply. Power consumption is 400 watts
Overall Size	Approximately 430 x 320 x 930mm
Weight	45 kg
Warranty	One year

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