



COMPLETE ENVIRONMENTAL SOLUTIONS



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

RESPIRABLE DUST SAMPLER CES APS -113BL

• 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
- THERMO ELECTRICALLY COOLED GASEOUS ATTACHMENT



➤ OVERVIEW

The APS 113BL sampler uses an improved cyclone with sharper cut-off (D50 at 10 microns) to separate the coarser particulates from the air stream before filtering it on the glass microfibre filter. By using the APS 113BL, measurement of Respirable Particulate Matter can be done accurately and TSPM can also be assessed by collection of dust retained in the cyclone cup.

Special features:

- **Brushless blower** reduces equipment downtime and maintenance effort.
- **Provision of light** for flow and time reading during night.
- **Toolbox** within the instrument.
- **Lockable** casters, top cover and gaseous attachment.
- Improved cabinet design which is **more sturdy and durable** with SS hardware.
- Electromagnetic Interference (EMI) to TVs totally eliminated.

APS 113BL comes with **an in-built voltage stabilizer to compensate for voltage fluctuations.**

This model has been made more user-friendly by providing a lighting arrangement for night

- • 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
- DISTTILATION UNIT
- HEATING MENTLE
- KJELDAL ASSEMBLY
- DEEP FRIZZER
- PH METER
- TDS METER
- CONDUCTIVITY METER

operation, tool box within the instrument, softer handles, lockable top-cover and wheels for easy transportation. The cabinet design has also been improved to prevent entry of rain water and dust into the machine.

Owing to its modular design, APS 113BL can be easily paired with a gaseous sampling attachment (for monitoring SO₂, NO_x, NH₃, Ozone etc) as gaseous sampling requires only a few LPM of air flow. This is possible through an **attachable subsidiary unit APS 311 or the more modern APS 311TE. Kindly refer to respective brochures of APS 311 and APS 311TE for details.**

SPECIFICATION: -

Flow Rate	0.9 – 1.4 m ³ /min free flow
Particle Size	Particles of 10 microns & below collected on Filter Paper holder. SPM bigger than 10 microns collected in a separate sampling bottle under the cyclone
Sampling Time	28 hours (maximum)
Sampling Time Record	0 to 9999.99 hrs. recorded on a Time Totalizer
Power requirement	Nominal 220 V, Single Phase, 50Hz AC mains supply. For proper operation and safety, a good earth connection is mandatory
Size & Weight	800 x 418 x 340mm, 35 Kg
Automatic Sampling	24 hrs programmable timer to automatically shut off the system after pre-Control set time interval

- SPECTROPHOME TR

- WEIGHING BALANCE

- MOISTURE ANALYZER

- DIGITAL ULTRASONIC CLEANER

- DO METER

- GRADIENT THERMAL CYCLER 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

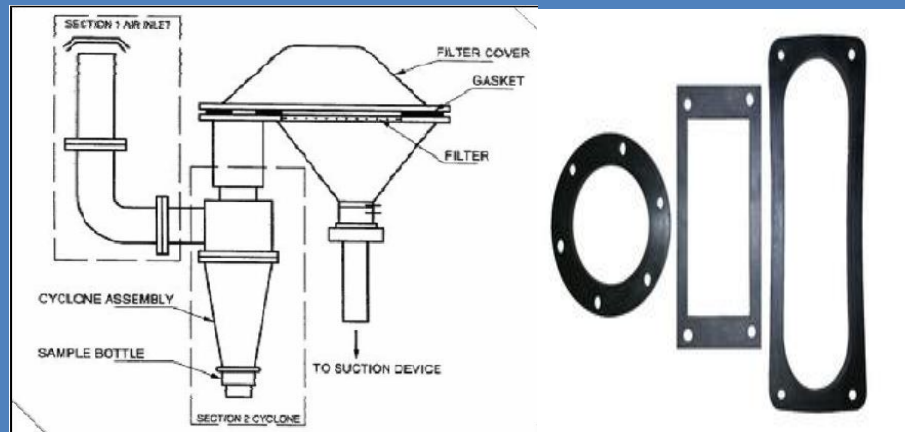
- GRADIENT THERMAL CYCLER

- ULTRASONIC CLEANERS

- CERAMIC HOTPLATE

Warranty

Two year



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

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