

PORTABLE STACK SAMPLER ECOTECH MODEL ESS 100



BACKGROUND

Frequent monitoring of stacks and vents are essential requirement to ensure that emission of air pollutants are within the limit prescribed by regulatory authorities. Further by regular monitoring of emissions one can establish proper functioning and performance of installed control system. Emission data also used in improving performance of Air Pollution Control System, energy saving and for optimizing process operations for effective results.

STACK SAMPLER ESS 100

In view of above facts frequent emissions monitoring are becoming essential requirement at each industry besides regulatory compliance of emissions. Ecotech portable Stack Sampler ESS100 has been developed to fulfill these requirements. Operator ease and emission monitoring meeting requirements have been given consideration so that data generated are reliable.

ESS 100 is portable system with light weight suction pump and with digital pyrometer and digital differential meter. Both these feature are prominent and help operator in quick measurement. Shifting of instrument from one stack to another stack is possible due to low weight pump. Measurement are done for differential pressure using S-Type Pitot Tube and digital differential pressure meter.

Light weight leak proof tubing have been provided in system. A portable detachable impinger box help user to use this instrument with greater visibility of impinger connection and bubbling of flue gases in reagents. The impinger tray is made up of rust free metal which ensure that look of system remain all time new.

High quality electronic liquid crystal stop watch fitted in the instrument where display is visible even at high ambient temperature around stacks.

Cabinet of ESS 100 is powder coated black in colour with high quality leak proof push fitting for Thermocouple and Pitot tube. Two dial type Vacuum Gauges are provided for online monitoring of pressure drop in gas stream and particulate stream separately.

Thimble holder nozzle and probe pipe fitted with Viton O Rings for leak proof connection. Thimble holder can accommodate CFT and GFT and Silica thimble with no extra efforts. Probe pipe has direction indicator cum handle for showing direction of the nozzle while sampling.

Measurement of temperature of out going gases after cooling in impinger can be done with the help of Thermometer which is placed in the impinger tube.

A team of experienced scientist who has done Hundreds of monitoring shall be supporting user for reliable monitoring with unmatched service support after supply of instrument.

SPECIFICATIONS

Portable Sampler with all essential accessories for Iso Kinetic sampling from stacks and vents. Simultaneous sampling of particulate and gaseous pollutants is possible using ESS 100

Flow Meter	Acrylic body rotameter with control valve 2Nos. 30lpm and 3lpm
Vacuum Pump	Light weight rotary heavy duty vacuum pump suitable to give flow rate upto 50lpm supplied with easy to carry cabinet
Pyrometer	Digital for temperature range 0-600°C
Thermocouple	Alumal Chromal 1m long with 2 meter cable
Differential Pressure	Digital with least count of 0.1mm water column
Pitot Tube	'S' Type 1m long
Stop Watch	Liquid Crystal electronic stop watch. Display is visible at higher ambient temperature around stacks
Impinger Box	Detachable Tray suitable for housing 4 impinger
Thimble Holder	SS with 3 nozzle of 1/2, 3/8 & 1/4" diameter
Probe Pipe	SS 1m long
Connection	Leak Proof Push fit type
Carrying Cases	Main panel is provided in lockable suite case while tools, thimble holder, probe pipe, nozzle and consumables are kept in easy to carry box.



For pricing information and queries contact:

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