

# AIS - 3801

## Automatic interval Sampler



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

In spite of having very accurate and costly equipment and well-trained staff for analysis, many industries fail to restrict the level of pollution in effluent to the required standard due to high level of errors and limitation in manual sampling. Accurate, reliable sampling and proper analysis are also two basic requirement of any industry to take remedial action for pollution free effluent discharge system.

Looking into the general need of various industries INSTRUMENTS UNIVERSAL has developed AUOMATIC INTERVAL SAMPLER an import substitute for reliable and accurate sampling of effluents. Automatic Interval

We are introducing our selves as manufacture of various types of timers and controllers along with specialised laboratory and custom oriented equipment. Automatic Interval Samplers are designed to sample the effluent & product of required volume at required interval. This is the cost effective basic equipment required for composite sampling. The unit consists of hybrid electronics timer controller, reliable power supply and drive circuitry with a special low speed motor and a peristaltic pump housed in a sturdy industrial weather proof powder coated cabinet. Pump is design for self-priming from the full depth specified and is manufactured with out seals, gears and valves to minimize maintenance. Maintenance is nearly nil except changing peristaltic tube, a small piece of flexible rubber tube, which can be changed within a minute even by anunskilled labor when, required. Motor and pump are low speed with pre lubricated ZZ type bearings for long life. Pump can run dry for hours without any risk to the equipment. Pump is fabricated from polypropylene, which has very high resistance to almost all chemicals.

Small step in a sample time gives a wide selection of sample volume and cycle time decides next sample period. Automatic purging is very essential facility which ensures totally fresh sample every time and avoid collection of dead sample trapped in suction tube. This also helps in flushing of suction tube after every sample to avoid to choking problem of suction tube.

The sampler has alternative application to monitor incoming or re-circulate water quality, to take small samples from open vessel, chemical dosing or handling small quantity of hazardous or toxic chemicals in laboratories. As the wetted part is only a peristaltic tube, just by changing tube pump can be used to handle another liquid/effluent with in minute without any contamination with the previous handle liquid/effluent. Unit carries a guarantee for a specified period. List of spares, circuit diagram and trouble-shooting chart helps for self-serviceability.

Real time sample will be collected on real time setting basis all other specification are same.

## ►► Specifications

Power Supply	:	230VAC 50Hz AC Mains (50 W)
Pump		
Type	:	Peristaltic low flow
Material of Const	:	Polypropylene
Tube Material	:	Silicon
Tube Size	:	ID – 4 mm OD – 8 mm
Suction	:	20 feet. Of Water Guaranteed (Tested up to 25 feet of water)
Flow	:	60 ml of water per minute at zero Head (Approx.)

Timer

- Sample Time : 1 to 12 Minutes in step of 1 Minute.  
Cycle Time : 15, 30, 60 and 120 Minutes.  
Purge Time : Automatic after each sampling (App 2 Minutes)

Cabinet

- Size : (W 36 cm x D 29 cm x H 47 cm)  
Weight : 11 Kg.  
Material : M S Powder Coated.  
Sample container : 10 liter carboy

Instrument can be installed in open without any Shelter, up to ambient temperature of 45-Degree Centigrade and humidity 95 % none condensing

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

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Optical Emission  
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Reader/Washer



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Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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