



**AMAR GASES INSTRUMENTATION**

*Gas Sampling Equipments*

# ACCUREX SERIES AIR SAMPLERS

**MODEL : HASV1.0**

**USER MANUAL**



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*Gas Sampling Equipments*

# INDEX:

**1. INTRODUCTION** PAGE 3

**2. MEET OUR HASV1.0** PAGE 4

**3. NAVIGATION** PAGE 5

**4. FEATURES** PAGE 9

**5. TECHNICAL SPECIFICATIONS** PAGE 10

**6. ACCESSORIES** PAGE 11

**7. ABOUT US** PAGE 12



**AMAR GASES INSTRUMENTATION**  
*Gas Sampling Equipments*

# INTRODUCTION

Air sampling is carried out to ensure that workplace or environmental air is meeting regulatory standards and to help Occupational Hygiene and Health & Safety professionals assess employee exposure to airborne hazards.

air is passed through a tube that is filled with a solid sorbent material. The sorbent material chemically absorbs the contaminant(s). A sampling pump is used to collect an air sample through this method.

Our HASV1.0 is a very accurate air sampling device, Used for the safety by gathering air samples for lab testing.



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*Gas Sampling Equipments*

# MEET OUR HASV1.0

- This is HASV1.0, A solid build and super accurate air sampling device.
- With the body made out of Stainless Steel, HASV1.0 is suited for sampling in harsh conditions.
- Rubber legs make it easy to keep it on any surface.
- Calibrated variable volume rotameter for measuring the flow of air at any given time. Knob to control flow of air.
- Battery operated as well as plugged in use.
- Stainless Steel stand for impingure tubes to collect samples.



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# FRONT VIEW OF HASV1.0



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## BACK VIEW OF HASV1.0



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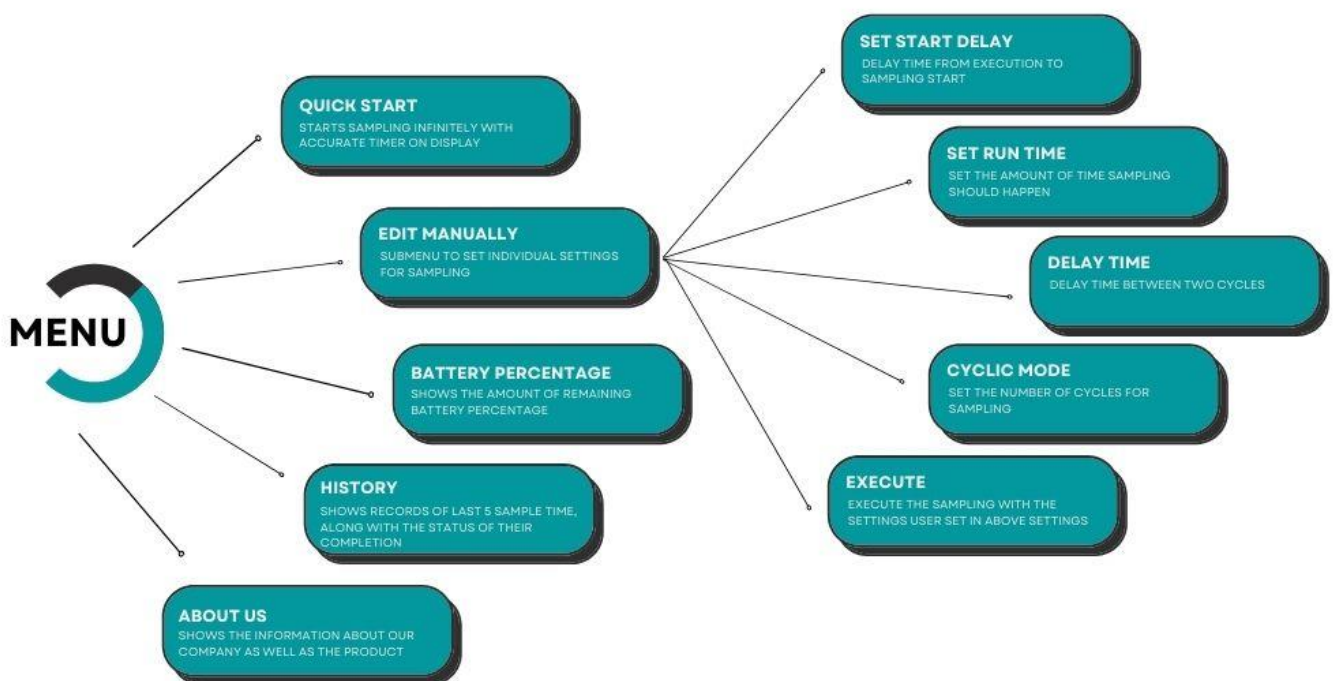
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# NAVIGATION (OPERATING THE DEVICE)

HASV1.0 has a simplified yet feature rich user interface for easy to use while keeping all of the features.

The user interface is designed in menu system for ease to understand and use.

Flow chart of the user interface system is as follows:



## USER INTERFACE GUIDE:

A. QUICK START : Quick start is a feature using which a user can start air sampling while having a look at the accurate timer for the sampling time.

Using quick start, User can immediately start sampling of the air without having to change any settings valuing the precious time accuracy needed for sampling.

In quick start, There is a Timer which counts every second the sampling is turned on, The user can precisely use the timer for time based samplings.



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*Gas Sampling Equipments*



B. EDIT MANUALLY : Edit manually is a option for the submenu where a user can set the required time for which the sampler stays on, off or delay before starting the sampling.



1. SET START DELAY : This option is used for setting the time delay from the moment of execution to the sampling start.

Example : Start delay is set to 00:00:05 Then after pressing execute, The timer will count 5 seconds before sampling starts, This feature is useful in areas where the sample is dangerous for humans and the device is set to take sample without human interference.



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*Gas Sampling Equipments*

2. SET RUN TIME: This option is used to set the sample time, That means the time for which sample is to be taken.

Example : Run time is set to 00:00:10 Then the sampler will run for 10 seconds before stopping or proceeding to delay time\*

```
SET START DELAY
>SET RUN TIME
```

```
SET RUN TIME
00:00:<00>SS
```

3. SET DELAY TIME : This option is used when the device will be used in cyclic mode, Where sampling is done in set intervals.

This option is used to set delay between two run cycles.

```
SET RUN TIME
>SET DELAY TIME
```

```
SET DELAY TIME
00:00:<00>SS
```



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4. Cyclic Mode : This option is used to set the number of sample cycles the device will run.



SET DELAY TIME  
>CYCLIC MODE



CYCLIC MODE  
LAPS<001>

5. Execute : This option is used to execute the sample run using all the above settings.



CYCLIC MODE  
>EXECUTE

6. INF-CYCLE : This option is used for running the sample infinitely using the settings set by user (This function is subject to model of the sampler)\*



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*Gas Sampling Equipments*

C. HISTORY : This option is used to view the last 5 sample run times along with their status of completion on the display. The first record will be the history of latest sample run while fifth being the oldest. This feature is very useful where the sample time record is needed for testing the sample collected.



D. BATTERY PERCENTAGE : This option is used for viewing the battery percentage of the sampler.



E. ABOUT US : This option is used for viewing the information about us and the product.



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## FEATURES:

1. Highly accurate timer (Hours : Minutes : Seconds) cum totalizer.
2. Low voltage battery for low risk in combustible gases.
3. Easy to use and feature rich user interface.
4. Continuous or cyclic sampling mode.
5. Battery operated model.
6. Stainless Steel body for durability and no reaction with samples\*
7. Variable flow setting using variable volume rotameter.
8. Wet Chemical Sampling Methodology.



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## TECHNICAL SPECIFICATIONS :

Sampling Methodology	Wet chemical sampling
Sampling Medium	Specific absorbing solution in Glass Impingers
Glass Impingers 2 Nos.	Glass Impinger of 35 mL capacity in series
Impingers Housing	
Number of pollutants sampled	1 Gas from Air
Suction Pump	AGI Diaphragm Type Suction Pump
Display	16x2 Alphanumeric LCD Display
Operating Keys	4 Keys (Back, Down, Up, Enter)
Sample Time	0 Mins to Infinite*(max) With variable setting
Flow Range	0.3 to 3.0 LPM (litre per minute)
Flow Control	Manual using precision valve (On Rotameter)
Run Time (Fully Charged Battery)	More than 12 Hours
Power	4.2V DC Lithium Ion battery with charger for battery charging ( from 100 V to 230 V AC $\pm$ 10%, 50/60 Hz )
Housing	Stainless Steel with Laminated Front Panel
Physical Dimensions	
Weight	



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*Gas Sampling Equipments*

## ACCESSORIES :

230V AC to 5V DC Charger
Glass Impingers
User Manual



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ABOUT US :



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*Gas Sampling Equipments*

Established in the year **2011** at **Mumbai, Maharashtra**, we “**Amar Gases Instrumentation**” are a **Sole Proprietorship** based firm, engaged as the foremost **Manufacturer** of **DC Pump, Tube Rotameter, Inline Filter** and many more. Our products are high in demand due to their premium quality and affordable prices. Furthermore, we ensure to timely deliver these products to our clients, through this we have gained a huge clients base in the market.

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