

AUTO WATER SAMPLER GRAB AND COMPOSITE (COMBINED SAMPLING SYSTEM) SE 4000 GC SERIES



Automatic Water Sampler Mechanism Model-SE-4000 GC is working on complete automation with intermittent time duration allotted for dispensation, Rinsing, Traverse & Linear movement of Dispenser over water sampler receiving bottles arranged in a tray.

A water sampler is a device for field collection of one or more samples of water for testing. The type of water source (e.g. a lake or pond, small stream or large river, coastal waters or deep ocean) and other factors such as ambient environmental conditions (e.g. collection of storm water during a rain event vs. ambient water sampling during dry weather).

Salient features of Auto water Sampler Machine.

1. The first ever Auto water Sampler Machine which is fully designed & manufactured indigenously with state of the Art technology under much coveted "Make in India" programme initiated by Gol.
2. Suitable for indoor & outdoor application.
3. Can easily be handled.
4. The entire enclosure with inner construction is made up of SS 304 material.
5. Can be operated on Auto & Manual mode.
6. Auto Water Sample Machine is capable of drawing Grab water sample up to 1000 ML quantity to be dispensed in each of the 25 bottles with Composite sample quantity can be collected up to 7000 ML.
7. The Water Sampler Machine remains operational in Auto mode round the clock. The time frequency to draw samples at specific time intervals can be set by programmable logic controller.
8. The water sampler machine can be operated on 230 VAC supply & on battery backup also for 48 hours.
9. The battery module can be dismantled for recharging & can be manually taken to a far off location without moving the sampler machine from its fixed location. The battery gets fully recharged in 2 hours time.
10. The system of operation is re-programmable & re-settable on RTC basis with respect to quantity of water to be dispensed & the time slot at which the machine can start functioning.
11. The water Sampler Machine is equipped with tamper proof & passcode protected door locking system. If the Auto lock system is tampered, the time at which it is tampered will get automatically traced in the PLC/USB.
12. The Water Sampler Machine can draw the water from 10 Mtr distance either vertically or horizontally as the case may be from the source point.

TECHNICAL SPECIFICATION

APPLICATION	OPEN CHANNEL, SEWERS, STORM WATER, INDUSTRIAL EFFLUENT
DIMENSION	1000x800x1150mm
WEIGHT	70kg. Approx
ENCLOSURE	IP65 CONTROL BOX IMPACT RESISTANCE
POWER REQUIREMENT	230±10VOLTS 50Hz/24VDC/ BATTERY OPERATED
BATTERY POWERBACKUP	UP TO 24 HRS TO 48 HOURS
INTERNAL BATTERY	YES
OVERLOAD PROTECTION	YES
OPERATING TEMPERATURE	0 to 50° C
RELATIVE HUMMIDITY	0 – 95%
SAMPLING PUMP SUCTION CAPACITY	UPTO 10MTR
GRAPHIC DISPLAY	MULTI COLOUR TOUCH SCREEN, 7"
USER INTERFACE	TOUCH SCREEN
OUTPUT FOR DATALOGGING	USB
DATA LOGGING CAPACITY	16GB
SAMPLING TYPE	GRAB TOTAL 25 BOTTLES, EACH BOTTLE 1100ML, COMPOSITE 1 BOTTLE 7,000ML (Customizable)
SAMPLING MODE	GRAB AND COMPOSITE AT SAME TIME
LANGUAGE	ENGLISH
SETTING	PASSWORD PROTECTED
SAMPLER DOOR LOCK	ELECTRONIC LOCK, PASSWORD PROTECTED
SAMPLING FREQUENCY	RTC BASED/TIMER BASED
SAMPLING PATTERN	GRAB AND COMPOSITE SAME TIME AS POSSIBLE
SAMPLING BOTTLE CAPACITY	25X1,100ML 1X7000ML IF SPECIFIC BOTTLE MATERIAL REQUIRED ASK SEPERATELY
SAMPLE VOLUME	PROGRAMMABLE
PERGING TIME	PROGRAMMABLE (BEFORE AND AFTER SAMPLING)
SAMPLE PUMP	HIGH SPEED PERISTALTIC PUMP
SAMPLING TUBE DIAMETER	6 TO 12MM
SAMPLING TUBE MOC	SILICON / PVC
INTAKE PURGE	AIR OR WATER PURGED AUTOMATICALLY BEFORE AND AFTER EACH SAMPLE; DURATION AUTOMATICALLY COMPENSATES FOR VARYING INTAKE LINE LENGTHS.
INTAKE RINSE CYCLE	INTAKE LINE AUTOMATICALLY RINSED WITH SOURCE LIQUID PRIOR TO EACH SAMPLE, WITH CUSTOMISED NUMBER OF CYCLE
ENCLOSER TYPE	MS / SS304
ENCLOSER COATING	POWDER COATED / EPOXY
INTAKE STRAINER	AVAILABLE
REMOTE ACCESS MODULE INTERFACE	SIM CARD / LAN / WAN / WIFI
REMOTE ACCESS FOR SAMPLING	AVAILABLE AT EXTRA COST
GPS LOCATION WITH LIVE PHOTOGRAPHS	AVAILABLE AT EXTRA COST
SAFETY INTERLOCK	AVAILABLE

Note: Above specification may change without prior notice.



SE WATER AND AIR PRIVATE LIMITED

Mfg. Unit : Shree Pramukhswami Industrial Estate, C-1/389, 8-13, 2nd Floor, Makarpura GIDC, Vadodara - 390010 (Guj) (O) +(91) 7490043126 Email : ho@sewater.in www.sewater.in

Head Offices : VADODARA

Branch Offices : VAPI, ANKLESHWAR

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