

#### CENTRIFUGE:

Table Top/ Floor, Refrigerated/ Non Refrigerated with 10,000RPM to 100,000 RPM and with different RCF. A centrifuge is also used to separate the components of blood in blood banks. The centrifuge works using the sedimentation principle, where the centripetal acceleration causes denser substances to separate out along the radial direction.



#### MUFFLE FURNACE:

- Internal Dimensions: 30x15x15 cms
- Temp: 1130°C.

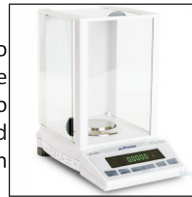
#### Note:

1. Digital timer 999 Minutes & Solid State fuse will be provided If required
2. Custom sizes will be provide upon customer demand.



#### ANALYTICAL & PRECISION BALANCE:

Balance, instrument for comparing the weights of two bodies, usually for scientific purposes, to determine the difference in mass (or weight). We provide Semi Micro Balances, Analytical Balances, Precision Balances, Standard Balances, Moisture Analyser, Moisture Analysis & Ash Determination, etc.



#### LAB ULTRA WATER PURIFICATION SYSTEM:

The INDION LAB-Q is ideal for research laboratories requiring ultrapure water that consistently meets stringent purified water standards.

#### Performance:

- Capacity: 10L/h
- Turbidity: <1 NTU.
- Conductivity: <1 µS/cm2
- TOC: <200PPB



#### TABLET HARDNESS TESTER

Our hardness tester can satisfy any demand of customers with its diverse product groups. Its performance and durability are already acknowledged by more than 100 domestic companies, and the new products that are being launched every year reflect the more complex demands from users.

Unit indication: N, Kp or Sc; mm or inch; mg or g



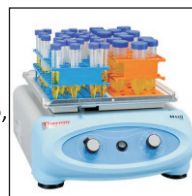
#### HEATER BLOCK

Block heater is designed for widely use in Chemical, Biochemical, Clinical and other General Labs for heating, digesting, incubating, concentrating and other heating processes. There are two models of block heaters, Analog and digital. Theanalog types have two temperature range (room temp. To 130°C) and digital types have higher temperature range (room temp. to 200°C).



#### ORBITAL SHAKERS:

- Speed Range: 30 to 300 RPM
- Max load: 10Kgs.
- When the motor stalled or overload, the unit will stop, beep and show error message in the LED display.
- Timer settings & speed control option.



#### MELTING POINT DEVICE: MANUAL & AUTOMATIC

#### Automatic:

- High Precision.
- Automatic Furnace cut off with audio and visual indication.
- Range: 40°C to 350°C, readability 1°C.

#### Manual:

- Fully automatic operation.
- With in-built silicon oil bath and stirrer.
- Adjustable heating rate and Stirrer speed.
- Range up to 275°C with readability of 1°C.



#### HOT PLATES & STIRRERS:

We offer a variety of hotplates, ranging from different size, different top materials, and different temperature settings. Most hot plates come with the spill prevention feature, and hot warning features.

- Plate Dimension: 127(5')x127(5')mm
- Heated Area: 100X100mm
- Max. Plate Temp.: 350°C
- Customization possible on demand.
- 6, 12 Holes.



#### INCUBATORS:

The incubator is ideal for the experiments of the cultivation of animal cells, sperm/ovum, anaerobic cells, and all sorts of microbe cells, hatching / germinating and special tissues. Plasmaand heat sterilization allow the convenient experiment underclean condition. Users can select plasma or heat sterilization mode simultaneously or separately.



#### PH /CONDUCTIVITY /TDS POCKET TESTERS:

Measures five parameters including Conductivity, TDS, Salinity, pH, and Temperature using one electrode Units of measure: pH, S, mS, ppm, ppt, mg/L, g/L, °C, °F Memory stores up to 25 labeled readings.



#### BOD SYSTEM:

Most innovative ecological (mercury-free) system with microprocessor utilizing manometric technology. Features a stirring system offering non-stop operation without risks of interruption or overheating Easy to handle design allows 6 or 10 bottles to be operated at the same time.



#### COD ANALYZER:

COD (Chemical Oxygen Demand) is a term used to measure the quality of water. It is a measure of water pollution resulting from organic Among the various methods and instruments available, a non-dispersive absorption based instrument has been found to be the best for this.



#### PORTABLE DO METER:

Do readings displayed in ppm or % saturation units DO calibration at 1 or 2 standard points (0 & 100%) or at 1 custom point (>20%) Automatic temperature compensation setup mode for setting altitude & salinity compensation factors, temperature measure unit (°C or °F), serial communication parameters, date & time, auto-off, instrument.



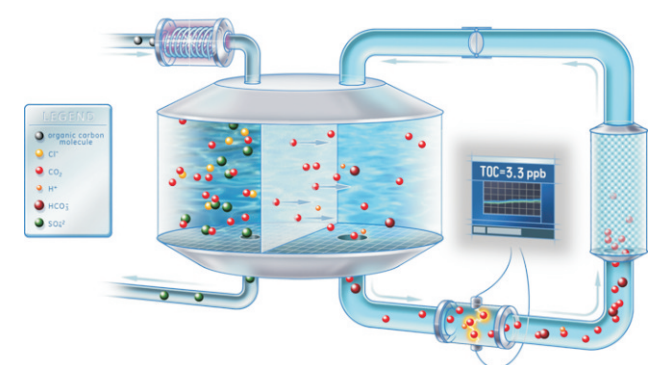
#### ADVANCED TOC ANALYZER – ONLINE/OFFLINE/PORTABLE

- Range: 0.03 – 2500/50000 PPB
- Patented technology: UV-Membrane Conductivity
- Very high energy efficient & no hidden cost like very high power consumption.
- Very smaller foot print for laboratory usage.
- Just plug & play operations. No start up time required.
- Fastest analysis time in the world, Analysis time: 2 Min. (Flushing time for any sample: 6 min).
- Fully 21CFR complaint as per regulatory requirements.
- (Optional) Raw Sample & compensated (25°C) conductivity module.
- “ZERO” maintenance cost for first year & nominal for further years.
- Qualification with certified Traceable standards as per <USP1225>
- Calibration last for 12 months.
- Most reliable & accurate system for TOC analysis, hence all semiconductor industries use GE only where carbon will measure in PPT.



#### Applications:

- PW, WFI, Potable & Cleaning Validation sample analysis.
- At-line Cleaning validation.
- Lab/Offline TOC analysis.
- At-line water TOC analysis.
- At-line Water system validation.
- At-line TOC analysis at required user points.
- Thanks for portability for route cause investigation at all user points



#### CLEANING VALIDATION SWABS

- Knitted Polyester head material.
- Chemical resistance & good sorbency.
- Tested with Textile Committee for Lint free & nonabrasive



# SVAN ANALYTICAL INSTRUMENTS PVT. LTD

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### VPHP GENERATOR FOR BIO-DECONTAMINATION:

- For bio-decontamination of clean rooms, isolators, pass boxes, defreezers, lypholizers, walking chambers etc...
- 6 Log sporicidal reduction system.
- NO residue of H<sub>2</sub>O<sub>2</sub> after decontamination.
- Fully validatable system with CI & BI.
- Uses H<sub>2</sub>O<sub>2</sub> of very good material compatibility.
- Automatic and mobile version with printer, designed to be used outside the treated environment.
- The instrument is fully controlled through a touch screen with recipes and report printout.
- Treatable volume: max 500 m<sup>3</sup>
- Injection rate: 0-10 g/min
- Air flow: up to 200 m<sup>3</sup>/h (adjustable)
- Dimensions: 400x 802 x 620 mm (L x D x H)
- FDA 21 CFR PART 11: Easy To Be Compliant
- Weight: 85 kg



### ADVANCED 2 IN 1 MICROBIAL AIR SAMPLER:

#### (ENVIRONMENTAL & COMPRESSOR AIR SAMPLING)

- Single air sampler for surface & compressor air with ease of operations.
- ISO 14698-1 complied air sampler.
- Multiple Samplers can be Controlled through Network via LAN.
- HEPA filtered exhaust, hence useful system for classified sterile aseptic environment.
- Best sampler for sterile area with remote operation. (Single remote can control 5 samplers).
- Powerful Lithium ion battery for continuous operation of 6 hrs & full chargeable within 2.5 hrs.
- User friendly software with PC connectivity & data storage for future reference. (Optional)
- Portable POS printer for identification of petri plates. (Optional)
- Multi user login facility under admin control.
- Onsite calibration facility.
- Inbuilt flow sensor to monitor the flow rate through sampling & alert with visual alarm.



### Viscosity meter/ Rheometer

#### (VROC Patented Technology)

#### VROC® Features:

- Measures Absolute Viscosity
- Smallest Sample Volume (~10 µL)
- Wide Dynamic Range in Shear Rates
- Flow Through—Rendering High Throughput
- Fast and Superior Repeatability (0.5% of Reading)
- High Shear Rate
- Non-Newtonian Characterization (able to control the shear rate)
- High Accuracy (2%).
- No air-fluid interface
- Low Evaporation.



**RheoSense**  
Simply Precise™

### LAB PURIFICATION WATER SYSTEM TYPE I, TYPE II, TYPE III

Parameters	Limits
Nominal Flow to Storage Tank	10 l/h
Dispensing Flow	1 - 1.5 l/h
Pure Water Resistivity (Type I)	18.2 MΩ
Pure Water Conductivity (Type I)	0.055 Microsiemens/cm
Pure Water Resistivity (Type II)	< 10 MΩ
Pure Water Conductivity (Type II)	< 0.1 Microsiemens/cm
Endotoxin Level	< 0.001 EU/ml
Particle < 0.22 µm	< 1 per ml
Bacteria	< 1 cfu/ml
Total Organic Carbon (TOC)	< 5 ppb



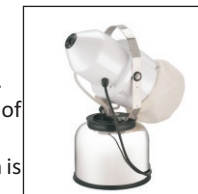
### ON SITE/LAB GAS GENERATORS

- Lab Gas Generator For GC, TOC Analyser, HPLC etc.
- Available for Air, Nitrogen, Hydrogen, Oxygen.



### CLEAN ROOM DISINFECTION FOGGERS:

- All parts made up of stainless steel.
- For the decontaminating clean room, production area.
- (Optional) Rotating model for the equally distribution of chemical.
- Uses H<sub>2</sub>O<sub>2</sub> aqueous solution OR Virosil pharma which is approved by all global regulatory.



### HEAD SPACE OXYGEN ANALYZER – VIALS & FOOD PACKAGES

- Headspace oxygen analysis in small & big packages.
- Testing the quality of Nitrogen air cylinders.
- Easily transported and used at remote location such as the packing line.
- Suitable for continuous operation in routine QC/QA testing.



### WATER ACTIVITY METER OR ERH METER:

- Basic, Handheld & Bench top meters.
- Alternative test to microbial limits test as per USP 112 for non-sterile pharmaceutical dosage, forms like API's, Formulations (Tablets, Cream, Ointments, Lotions, and Liquids).
- Easy to operate Non-destructive measurement
- Absolutely no maintenance and no recurring cost.
- Suitable for laboratory and production site/on-site monitoring application.



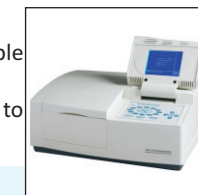
### AUTOClave (HORIZONTAL & VERTICAL)- ALL VOLUMES

- Automatic thermoregulation
- Safety and ergonomic.
- High resistance to performing corrosion. Outside structure and inside pressure vessel manufactured from mirror finished stainless steel for easy cleaning and sanitizing.



### UV-VIS SPECTROPHOTOMETER

- Double beam spectrophotometer with highly stable optics.
- Extremely versatile with full functionality from 190 to 1100nm.
- 2 or 8 cell holder available.
- 6 inches LCD display & integrated user interface.



### GAS DETECTOR TUBES & GASTEC PUMP:

- For ambient / indoor air quality monitoring.
- Available for more than 450 gases.
- Easy to operate.



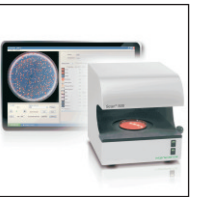
### RH AND TEMPERATURE DATA LOGGER (SINGLE & MULTI CHANNEL)

- Range: 0-100% & -60°C to 200°C
- Single Channel data loggers.
- Multi channel data loggers.
- Wireless data loggers.
- Online/Offline Data loggers.
- Transmitters with 4-20mA.
- USB type data loggers for transportation application



### COLONY COUNTER - MANUAL & AUTOMATIC:

- 4 Figure Digital Displays.
- Sound Alarm End of Count and Reset button.
- Magnifying adjustable for correct positioning
- All Colonies will be counted also those being significant different in color, size and shape.
- Light-proof sample chamber with camera, Live-image and circular LED-illumination.



### ELECTRICAL LOOP STERILIZER:

- Ideal for use in microbiological safety cabinets Housing made of polished stainless steel and safety glass.
- UV and solvent resistant, flame-sterilizable, easy to clean.
- Economical, Low-Cost operation.



### COMPRESSOR AIR QUALITY MEASUREMENT SYSTEM (CAQMS)

#### USING GAS DETECTION TUBES:

- Economical & user friendly for quantitative measuring of all gases in the ambient, compressor air....
- Oil Mist, water Vapour, CO, CO<sub>2</sub>, NO+NO<sub>2</sub>, H<sub>2</sub>S, SO<sub>2</sub>
- Based on color change detector tubes.
- Detection of various gases in ambient using Gastec pump.

