

# HYDRO PLUS

THE BRAND YOU CANNOT IGNORE

## AUTOMATIC WATER DOUBLE DISTILLATION UNIT

Model: HYDRO PLUS -DUO DIST DD



## A PERFECT SOLUTION TO LABORATORY WATER NEEDS.

- › Pyrogen free lab grade water
- › Any time water with auto compensation
- › Auto start—Auto Stop features
- › Compact design with less bench space
- › In built safety features

### System Highlights

Our New innovative double distillation system is designed with ergonomics and state of art technology to meet the high grade quality water requirements in laboratory. Incorporates dual SS boilers for production of steam and uniquely designed borosilicate condensers for condensing water. Water level is maintained to maximum capacity and user can readily use for reagent preparation in the lab. The unit gets switched off automatically on reading maximum water level and switches on automatically to compensate used levels. This saves time and energy. Further, the system is designed with water saving mechanism to allow condenser water to flow only when heater is on in the stainless steel steam generators. This saves enormous usage of water compared to that of conventional water distillation system.

ISO 9001-2008 Certified & NSIC (GOI)  
Registered Organization

 *In pursuit of Perfection*  
**PELICAN EQUIPMENTS**



# TECHNICAL SPECIFICATIONS

## HYDRO PLUS Automatic Double Water Distillation System

ISO 9001-2008 Certified & NSIC (GOI) Registered Organization

**Model DUO DIST DD (R):** Fully Automatic Water Double Distillation System Regular version with two stage stainless steel steam generators for pyrogen free lab grade water.

**Model DUO DIST DD (VA):** Fully Automatic Water Double Distillation System Value Added version with Reverse Osmosis feeding unit with two stage stainless steel steam generators for pyrogen free lab grade water.

REVERSE OSMOSIS MODULE	DOUBLE WATER DISTILLATION MODULE
Uniquely Designed Reverse Osmosis Chamber to improve input feed water quality with inbuilt booster pump.	The method decomposes Pyrogenic molecules in feed water and produces free ion water through double distillation mechanism suitable for lab grade chemical analysis, preparation of standard solution, dilution, etc.
Filteration Modules	Features
<p><b>Stage 1 - Prefilter:</b> Prefilter incorporates softner which removes hardness causing impurities.</p> <p><b>Stage 2 - Pre Carbon filter:</b> Pre carbon filter incorporates high purity activated charcoal. It removes organic chemicals substance, residual chemicals and unpleasant gas contents.</p> <p><b>Stage 3 - Sedimental Filter:</b> Effectively removes sand silt, scale, rust particles and residual sediment to less than 5 micron. Prevents impurities entering the Reverse Osmosis membrane.</p> <p><b>Stage 4 - Reverse Osmosis Membrane:</b> The Unique RO Semipermeable membrane reduces the metal, salts and total dissolved solids like pesticides, solvents and other volatile organic compounds. It also removes Calcium, magnesium, sodium ions, chloride ions as well as bacteria and waste industrial organic chemicals that are not ionised.</p> <p><b>Stage 5 - Post Carbon Filter:</b> The water which passes through the RO Membrane is once more sent through carbon filter column of high purity activated charcoal. It further removes undesirable odour and improves water quality. The final output water from RO System is fed into the Double Distillation Column as feed water.</p>	<ul style="list-style-type: none"> <li>› Dual Non Corrosive Stainless Steel Steam Generators.</li> <li>› Inbuilt Submergible individual SS Heaters for steam generators.</li> <li>› Imported Centrifugal Refilling pump for individual steam generator.</li> <li>› Uniquely designed Borosilicate Dual glass condenser</li> <li>› Distilled water Capacity: 5 Litres</li> <li>› Collection rate: 1.5 Litre / hour (depending upon the incoming voltage.)</li> <li>› Water Consumption: Approx 60 litre / hour.</li> <li>› LED Indication for Power, Heater 1 &amp; 2, Inlet Water.</li> <li>› Automatic water saving mechanism allows condenser water to flow only when heater is on.</li> <li>› Automatic water Refilling valves to individual boilers with integrated auto refilling mechanism.</li> <li>› Electronic level sensor for water level maintenance of individual steam generators.</li> <li>› Automatic water level maintenance mechanism of intermediate collection vessel with intelligent communication to heater.</li> <li>› Auto switch ON feature to compensate used volume.</li> <li>› Auto cut off feature on reaching maximum capacity.</li> <li>› Safety mechanism with auto cut-off of heaters to avoid dry heating in low water level condition of individual steam generators.</li> <li>› Over pressure release safety valve.</li> <li>› Watts: 1.5 x 2 = 3 KW.</li> <li>› Switch Mode Power Supply to regulate variation in voltage.</li> <li>› MS housing with powder coated finish</li> <li>› Power: 220 V, 50 Hz, AC Mains single phase.</li> </ul>

Manufactured & Marketed By :



**PELICAN EQUIPMENTS**

ISO 9001 - 2008 CERTIFIED & CE CERTIFIED / NSIC (GOI) REGISTERED ORGANIZATION

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# ROTEK ORBITAL SHAKERS

ISO 9001-2008 CERTIFIED & CE  
CERTIFIED/ NSIC (GOI)  
REGISTERED ORGANIZATION

Designed For Non Stop  
Biological Operation

Simple LAB shaker



ROTEK LSV

Double Decker Shaker



ROTEK LSV-DD

Laboratory  
Environmental Shaker



ROTEK LES

Rocker



GEL ROCTEK

Laboratory Incubator  
Shaker



ROTEK LIS

## UNIQUE FEATURES

- › Absolutely Smooth Noiseless uniform Motion.
- › Feather Touch Programmable Membrane Keys
- › Microprocessor Based System with precise PID Controller
- › Eccentric Multi pin Guided Drive for Perfect Orbital Motion.
- › Continuous Variable Speed with Accurate RPM Controller.
- › Digital Display of speed, Temperature & Time.
- › Compact Design Occupying Less Bench Space.
- › Universal Tray with Interchangeable SS Clamps.
- › Auto Stop/Auto Start Feature with Anti Vibration Mount.
- › Options of Economic LED & Superior Touch Screen Versions
- › Relative Humidity measurement options
- › Built in Safety Features.



## TECHNICAL WRITE UP

The Electronic Rotek Series Orbital Laboratory Shakers with innovative features are designed for continuous non stop biological Research Applications with heavy duty DC motor. The Shakers are perfectly engineered for a uniform Orbital motion for high efficiency in yield and reproducibility in results. ROTEK is a perfect solution to the troublesome spring loaded noisy shakers. The non belt eccentric multi pin guided drive system with life time lubricated bearings enables a smooth noiseless and perfect orbital motion.

ROTEK Series Shakers Incorporates superior electronic continuously variable automatic speed control with digital display of RPM. Pulsewidth modulation technique enables considerable energy saving making the system draw required power at various speed.

The temperature control system of ROTEK LIS & LES are designed with sophisticated precise PID micro controller with

"Feather Touch Membrane Keys" of operation. Highly sensitive PT-100 sensor gives perfect accuracy of temperature. Programmable features of speed temperature and time coupled with illumination with bright Alphanumeric digital display makes the shaker an Import Substitute product.

The shaker incorporates a perfect closed loop circulation arrangement with two blowers for uniform maintenance of ambient temperature within the environmental hood while cooling and heating. The blowers have been efficiently designed and placed at the backside of the system to save table space.

The shaker has in built auto start mechanism with in built acceleration /deceleration circuit wherein at the event of power outage, the system automatically restarts functioning from the

### Laboratory Incubator Shaker with Touch Screen



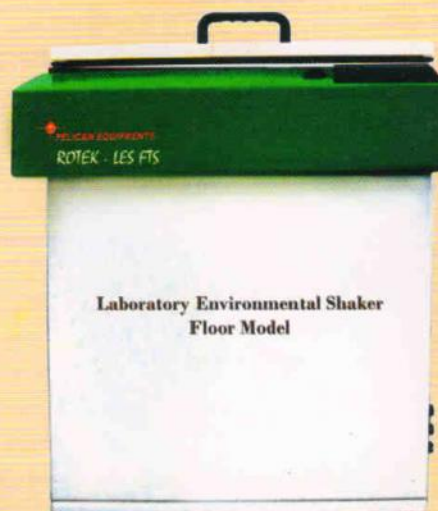
previous set RPM reaching the set RPM with gradual acceleration without jerk. The System incorporates automatic circuit protection to safeguard the system from high voltage spikes.

### Laboratory Reciprocal Triple Decker Shaker



**RECITEK - RTD**

### Laboratory Enviromental Shaker (Floor Stand With Touch Screen)



**ROTEK - LES - FTS**

## AUTOMATIC SAFETY FEATURES

- › The ROTEK Shakers incorporates over temperature protection, Auto Error Indication and sensor Break Protection, Auto Tuning facility of Temperature Controller.
- › The Shaker is designed with safety features with micro switch wherein the shaker stops functioning if the door of the hood is opened by default during operation.
- › RPM Deviation: The shaker gives an alert indication & alarm signal with indication if there is an error in rise or fall of rpm by  $\pm 5$ rpm than the actual set rpm.
- › The Shaker incorporates anti vibration mount for ground stability at higher RPM. The Shaker incorporates universal tray with interchangeable SS clamps with wide variety of clamp choices.
- › Temperature Deviation: The Shaker gives alert Signal Indication for deviation of temperature by more than  $1^{\circ}\text{C}$  from the set temperature.

## Manufactured & Marketed By :



### PELICAN EQUIPMENTS

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LAB EXPO 6<sup>th</sup> 8<sup>th</sup> NOVEMBER 2014

**PELICAN EQUIPMENTS**

(ISO 9001 : 2008 CERTIFIED & CE CERTIFIED/GOI - NSIC REGISTERED ORGANIZATION)



*India's Largest Selling Nitrogen /Protein Analyser*

**KEL PLUS**

The Brand You Cannot Ignore



**FIBRA PLUS**

World class standards with power  
for lasting performance



**SOCS PLUS**

Expression of creative genius



### HYDRO PLUS- Double Water Distillation System



### ROTEK- LSV Laboratory Shaker



### ROTEK- LIS Incubator Shaker



### ROTEK- RTD Reciprocal Shaker



#### Our Achievements

- ✓ Over 370 Installations in ICAR Institutions
- ✓ Over 40 Installations in CSIR Institutions
- ✓ Over 875 Installations in Agricultural Universities
- ✓ Over 260 Installations in Veterinary and Fisheries Universities.
- ✓ Over 175 Installations in Krishi Vigyan Kendras
- ✓ Over 240 Installations in Soil Testing / Fertilizer Testing Laboratories
- ✓ Over 700 Installations in Govt Departments & General Universities
- ✓ Over 380 Installations in Private industries
- ✓ Installations in all 29 Indian states networking entire country

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- ✶ Guwahati
- ✶ Secunderbad
- ✶ Ahmedabad

Satellite Marketing Centres at Mumbai, Akola, Amaravati, Indore, Raipur, Cochin, Pondicherry, Bhagalpur, Hisar, Ludhiana, Kanpur, Lucknow, Jhansi, Udaipur, Bikaner, Shimla, Srinagar, Agartala



## KEL PLUS AUTOMATIC NITROGEN / PROTEIN ESTIMATION SYSTEM

### A. KEL PLUS AUTOMATIC MICROPROCESSOR BASED MACRO (250 ml.vol.) BLOCK DIGESTION SYSTEM (Suitable for plants, soils, fertilizers, pesticides, water, food and feed, fish meal, meat, meatproducts, dairy, dairy products, etc.)

(i) BASIC VERSION: (Microprocessor based PID Temperature Controller with digital display)

KES 02L	Two Place Macro Block Digestion System
KES 04L	Four Place Macro Block Digestion System
KES 06L	Six Place Macro Block Digestion System
KES 08L	Eight Place Macro Block Digestion System
KES 12L	Twelve Place Macro Block Digestion System
KES 20L	Twenty Place Macro Block Digestion System

(ii) ECONOMIC VERSION "E" SERIES : (PC Compatible Auto sequencing features with digital display, 2 memory programs, 8 sequence steps of time/temperature domain, RS 232 Interface for PC connectivity)

KES 04L E	Four Place Macro Block Digestion System
KES 06L E	Six Place Macro Block Digestion System
KES 08L E	Eight Place Macro Block Digestion System
KES 12L E	Twelve Place Macro Block Digestion System
KES 20L E	Twenty Place Macro Block Digestion System

(iii) REGULAR VERSION "R" SERIES : (PC Compatible Auto sequencing features with LCD Display, 30 memory program, 12 sequence steps of time/temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time and temperature gradient)

KES 04L R	Four Place Macro Block Digestion System
KES 06L R	Six Place Macro Block Digestion System
KES 08L R	Eight Place Macro Block Digestion System
KES 12L R	Twelve Place Macro Block Digestion System
KES 20L R	Twenty Place Macro Block Digestion System

(iv) VALUE ADDED DATA LOGGER VERSION "VA DLS" SERIES : (PC Compatible Auto sequencing features with LCD Display, 70 memory program, 12 desirable sequence steps of time/temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time and temperature gradient & datalogger with real time clock)

KES 04L VA DLS	Four Place Macro Block Digestion System
KES 06L VA DLS	Six Place Macro Block Digestion System
KES 08L VA DLS	Eight Place Macro Block Digestion System
KES 12L VA DLS	Twelve Place Macro Block Digestion System
KES 20L VA DLS	Twenty Place Macro Block Digestion System

(v) VALUE ADDED DATA LOGGER VERSION "VA DLS - TS" SERIES : VA DLS Version With Touch Screen Display

KES 04L VA DLS - TS	Four Place Macro Block Digestion System
KES 06L VA DLS - TS	Six Place Macro Block Digestion System
KES 08L VA DLS - TS	Eight Place Macro Block Digestion System
KES 12L VA DLS - TS	Twelve Place Macro Block Digestion System
KES 20L VA DLS - TS	Twenty Place Macro Block Digestion System

(vi) REGULAR VERSION "R AL" SERIES : REGULAR Version With Auto Lift Feature

KES 04L R AL	Four Place Macro Block Digestion System
KES 06L R AL	Six Place Macro Block Digestion System
KES 08L R AL	Eight Place Macro Block Digestion System
KES 12L R AL	Twelve Place Macro Block Digestion System
KES 20L R AL	Twenty Place Macro Block Digestion System

(vii) VALUE ADDED DATA LOGGER VERSION "VA DLS AL" SERIES : VA DLS Version With Auto Lift Feature

KES 04L VA DLS AL	Four Place Macro Block Digestion System
KES 06L VA DLS AL	Six Place Macro Block Digestion System



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(ii) ECONOMIC VERSION "E" SERIES : (PC Compatible Auto sequencing features with digital display, 2 memory programs, 8 sequence steps of time/temperature domain, RS 232 Interface for PC connectivity)

KES 04L E	Four Place Macro Block Digestion System
KES 06L E	Six Place Macro Block Digestion System
KES 08L E	Eight Place Macro Block Digestion System
KES 12L E	Twelve Place Macro Block Digestion System
KES 20L E	Twenty Place Macro Block Digestion System

(iii) REGULAR VERSION "R" SERIES : (PC Compatible Auto sequencing features with LCD Display, 30 memory program, 12 sequence steps of time/temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time and temperature gradient)

KES 04L R	Four Place Macro Block Digestion System
KES 06L R	Six Place Macro Block Digestion System
KES 08L R	Eight Place Macro Block Digestion System
KES 12L R	Twelve Place Macro Block Digestion System
KES 20L R	Twenty Place Macro Block Digestion System

(iv) VALUE ADDED DATA LOGGER VERSION "VA DLS" SERIES : (PC Compatible Auto sequencing features with LCD Display, 70 memory program, 12 desirable sequence steps of time/temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time and temperature gradient & datalogger with real time clock)

KES 04L VA DLS	Four Place Macro Block Digestion System
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KES 08L VA DLS	Eight Place Macro Block Digestion System
KES 12L VA DLS	Twelve Place Macro Block Digestion System
KES 20L VA DLS	Twenty Place Macro Block Digestion System

(v) VALUE ADDED DATA LOGGER VERSION "VA DLS - TS" SERIES : VA DLS Version With Touch Screen Display

KES 04L VA DLS - TS	Four Place Macro Block Digestion System
KES 06L VA DLS - TS	Six Place Macro Block Digestion System
KES 08L VA DLS - TS	Eight Place Macro Block Digestion System
KES 12L VA DLS - TS	Twelve Place Macro Block Digestion System
KES 20L VA DLS - TS	Twenty Place Macro Block Digestion System

(vi) REGULAR VERSION "R AL" SERIES : REGULAR Version With Auto Lift Feature

KES 04L R AL	Four Place Macro Block Digestion System
KES 06L R AL	Six Place Macro Block Digestion System
KES 08L R AL	Eight Place Macro Block Digestion System
KES 12L R AL	Twelve Place Macro Block Digestion System
KES 20L R AL	Twenty Place Macro Block Digestion System

(vii) VALUE ADDED DATA LOGGER VERSION "VA DLS AL" SERIES : VA DLS Version With Auto Lift Feature

KES 04L VA DLS AL	Four Place Macro Block Digestion System
KES 06L VA DLS AL	Six Place Macro Block Digestion System



DISTYLEM S	Simple Automatic Microprocessor Based PC Compatible Distillation System with 30 user storage programs (LCD Display, Auto addition of dilution, Alkali and Steam with Inbuilt delay time features & Titration connectivity feature for future upgradation)
DISTYLEM VA	Simple Automatic Microprocessor Based Value Added PC Compatible Distillation System with 30 user storage programs (LCD Display, Auto addition of dilution, Alkali and Steam with Inbuilt delay time features, Titration connectivity feature for future upgradation & Reagent level sensor)
ELITE EX VA	Superior Automatic Microprocessor Based Value Added PC Compatible Distillation System with 50 user storage programs (LCD Display, Auto addition of dilution, KMNO <sub>4</sub> , Alkali and Steam with Inbuilt delay time features, Titration connectivity feature for future upgradation & Reagent level sensor)
SUPRA LX VA	Advanced Automatic Microprocessor Based Value Added PC Compatible Distillation System with 50 user storage programs (LCD Display, Auto addition of Boric Acid, dilution, Alkali, Steam & Tube drain with Inbuilt delay time features, Titration connectivity feature for future upgradation & Reagent level sensor)
CLASSIC DX	Fully Automatic Microprocessor Based PC Compatible Distillation System with 100 user storage programs (LCD Display, Auto addition of Boric Acid, dilution, KMNO <sub>4</sub> , Alkali, Steam & Tube drain with Inbuilt delay time features, Titration connectivity feature for future upgradation & Reagent level sensor)
CLASSIC DX VA	Fully Automatic Microprocessor Based Value Added PC Compatible Distillation System with 100 user storage programs (LCD Display, Auto addition of Boric Acid, dilution, KMNO <sub>4</sub> , Alkali, Steam, Tube drain, Removal of receiver residue with Inbuilt delay time features, Titration connectivity feature for future upgradation & Reagent level sensor)
CLASSIC DX VA TS(E)	Fully Automatic Microprocessor Based Value Added PC Compatible Economic Version Single Touch Screen Distillation System with 100 user storage programs (Touch Screen Display, Auto addition of Boric Acid, dilution, KMNO <sub>4</sub> , Alkali, Steam, Tube drain, Removal of receiver residue with Inbuilt delay time features, Titration connectivity feature for future upgradation & Reagent level sensor)
CLASSIC DX VA TS(P)	Fully Automatic Microprocessor Based Value Added PC Compatible Premium Version Single Touch Screen Distillation System with 100 user storage programs (Touch Screen Display, Auto addition of Boric Acid, dilution, KMNO <sub>4</sub> , Alkali, Steam, Tube drain, Removal of receiver residue with Inbuilt delay time features, Titration connectivity feature for future upgradation, Reagent level sensor, Direct online printer connectivity, Direct calculation of results on LCD Screen, Upgradeable Ethernet connectivity)
ULTIMA DUO DIST TS (E)	Fully Automatic Microprocessor Based PC Compatible Economic Version Touch Screen Dual Distillation System with 100 User storage Programmes (Touch Screen Display, Auto addition of Boric Acid, dilution, KMNO <sub>4</sub> , Alkali, Steam, Tube drain, Removal of receiver residue with Inbuilt delay time features, Titration connectivity feature for future upgradation & Reagent level sensor)
ULTIMA DUO DIST TS (P)	Fully Automatic Microprocessor Based PC Compatible Premium Version Touch Screen Dual Distillation System with 100 User storage Programmes (Touch Screen Display, Auto addition of Boric Acid, dilution, KMNO <sub>4</sub> , Alkali, Steam, Tube drain, Removal of receiver residue with Inbuilt delay time features, Titration connectivity feature for future upgradation, Reagent level sensor, Direct online printer connectivity, Direct calculation of results on LCD Screen, Upgradeable Ethernet connectivity)

#### D.ACCESSORIES

KEL VAC	Three Stage Semi Automatic Acid Neutralizer Scrubber
KEL VAC	Four Stage Semi Automatic Acid Neutralizer Scrubber
KEL VAC VA	Superior Value added Four Stage fully Automatic Acid Neutralizer Scrubber with digital display of time. Microprocessor based brilliant auto waste disposal system
Note: (Acid neutralizer Scrubber Model KEL VAC/ KEL VAC VA is essential & advisable for all models of Twenty Place Macro Digestion System and all models of Forty Two Place Micro Digestion System. For all other models of digestion system it is optional)	
KEL FREEZ	Refrigerated Water Cooling recirculation System
KEL FREEZE - T	Refrigerated Water Cooling recirculation System with microprocessor based PID temperature controller & Digital Display
(Note: Refrigerated water cooling system Model KEL FREEZ & KEL FREEZ-T can be coupled with any model of distillation system for rapid condensation of steam. It is also compatible with automatic SOCS PLUS system for efficient condensation of solvent)	



**E. ECONOMIC VERSION "E" SERIES COD DIGESTION SYSTEM (Features as mentioned under Macro Digestion System)**

KES 06CWC E	Six Place Micro (100 ml) COD Digestion System with Water condensor
KES 12CWC E	Twelve Place Micro (100 ml) COD Digestion System with Water condensor
KES 06LCWC E	Six Place Macro (250 ml) COD Digestion System with Water condensor
KES 12LCWC E	Twelve Place Macro (250 ml) COD Digestion System with Water condensor
KES 06CAC E	Six Place Micro (100 ml) COD Digestion System with Air condensor
KES 12CAC E	Twelve Place Micro (100 ml) COD Digestion System with Air condensor
KES 15CAC E	Fifteen Place Micro (100 ml) COD Digestion System with Air condensor
KES 06LCAC E	Six Place Macro (250 ml) COD Digestion System with Air condensor
KES 12LCAC E	Twelve Place Macro (250 ml) COD Digestion System with Air condensor
KES 15LCAC E	Fifteen Place Macro (250 ml) COD Digestion System with Air condensor

**F. ECONOMIC VERSION "E" SERIES INFRARED DIGESTION SYSTEM:  
(Features as mentioned under Macro Digestion System)**

KES 06INL E	Six Place Rapid Infrared Macro Digestion System
KES 12INL E	Twelve Place Rapid Infrared Macro Digestion System
KES 06INL COMBO E	Six Place Macro Rapid Combo Infrared Digestion System (Combo details : 800 ml (4 Nos.) or 500 ml (6 Nos.) or 250 ml (6 Nos.) or 100 ml (14 Nos.)
KES 12INL COMBO E	Twelve Place Macro Rapid Combo Infrared Digestion System (Combo details : 800 ml (8 Nos.) or 500 ml (12 Nos.) or 250 ml (12 Nos.) or 100 ml (28 Nos.)

**G. INTEGRATED MODULAR TITRATION**

KEL TITRO EASY	Integrated Modular Titration with KEL PLUS Titration Upgrade Kit (The KEL PLUS Titration upgrade kit is inbuilt in all sequencing versions of distillation unit. Titration proceeds automatically without need of sample transfer.) Available Models TITROLINE EASY - SIA (GERMAN MAKE) & TITRINO PLUS - METROHM (SWISS MAKE). These Titrators are compatible for online integrated titration.
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**H. SOCS PLUS AUTOMATIC SOLVENT / FAT EXTRACTION SYSTEM****(i) BASIC VERSION: (Microprocessor based PID Temperature Controller with digital display)**

SCS 1	Single Place Automatic Solvent Extraction System
SCS 2	Two Place Automatic Solvent Extraction System
SCS 3	Three Place Automatic Solvent Extraction System
SCS 4	Four Place Automatic Solvent Extraction System
SCS 6	Six Place Automatic Solvent Extraction System
SCS 8	Eight Place Automatic Solvent Extraction System

**(ii) ECONOMIC VERSION "E" SERIES : (PC Compatible Auto sequencing features with digital display, 2 Intelligent memory program, 8 desirable sequence steps of time/temperature domain, RS 232 Interface for PC connectivity)**

SCS 2 E	Two Place Automatic Solvent Extraction System
SCS 3 E	Three Place Automatic Solvent Extraction System
SCS 4 E	Four Place Automatic Solvent Extraction System
SCS 6 E	Six Place Automatic Solvent Extraction System
SCS 8 E	Eight Place Automatic Solvent Extraction System

**(iii) REGULAR VERSION "R" SERIES : (PC Compatible Auto sequencing features with LCD Display, 30 memory program, 12 sequence steps of time / temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time and temperature gradient)**

SCS 2 R	Two Place Automatic Solvent Extraction System
SCS 3 R	Three Place Automatic Solvent Extraction System
SCS 4 R	Four Place Automatic Solvent Extraction System
SCS 6 R	Six Place Automatic Solvent Extraction System
SCS 8 R	Eight Place Automatic Solvent Extraction System



(iv) VALUE ADDED DATA LOGGER VERSION "AS DLS" SERIES : (PC Compatible Auto sequencing features with LCD Display, 70 memory program, 12 desirable sequence steps of time/temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time & temperature gradient & datalogger with real time clock, Air Pump, Auto solvent recovery module, Auto over flow sensor, Auto collection of recovered solvent)

SCS 2 AS DLS	Two Place Automatic Solvent Extraction System
SCS 3 AS DLS	Three Place Automatic Solvent Extraction System
SCS 4 AS DLS	Four Place Automatic Solvent Extraction System
SCS 6 AS DLS	Six Place Automatic Solvent Extraction System
SCS 8 AS DLS	Eight Place Automatic Solvent Extraction System

(v) VALUE ADDED DATA LOGGER VERSION "AS DLS" SERIES : AS DLS Version With Touch Screen Display

SCS 2 AS DLS - TS	Two Place Automatic Solvent Extraction System
SCS 3 AS DLS - TS	Three Place Automatic Solvent Extraction System
SCS 4 AS DLS - TS	Four Place Automatic Solvent Extraction System
SCS 6 AS DLS - TS	Six Place Automatic Solvent Extraction System
SCS 8 AS DLS - TS	Eight Place Automatic Solvent Extraction System

## I. FIBRA PLUS AUTOMATIC FIBRE ESTIMATION SYSTEM

(i) BASIC VERSION: (Microprocessor based PID Temperature Controller with digital display)

FES 2	Two Place Automatic Fibre Estimation System
FES 3	Three Place Automatic Fibre Estimation System
FES 4	Four Place Automatic Fibre Estimation System
FES 6	Six Place Automatic Fibre Estimation System
FES 8	Eight Place Automatic Fibre Estimation System

(ii) ECONOMIC VERSION "E" SERIES : (PC Compatible Auto sequencing features with digital display, 2 Intelligent memory program, 8 desirable sequence steps of time/temperature domain, RS 232 Interface for PC connectivity)

FES 2 E	Two Place Automatic Fibre Estimation System
FES 3 E	Three Place Automatic Fibre Estimation System
FES 4 E	Four Place Automatic Fibre Estimation System
FES 6 E	Six Place Automatic Fibre Estimation System
FES 8 E	Eight Place Automatic Fibre Estimation System

(iii) REGULAR VERSION "R" SERIES : (PC Compatible Auto sequencing features with LCD Display, 30 memory program, 12 sequence steps of time / temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time and temperature gradient)

FES 2 R	Two Place Automatic Solvent Extraction System
FES 3 R	Three Place Automatic Solvent Extraction System
FES 4 R	Four Place Automatic Solvent Extraction System
FES 6 R	Six Place Automatic Solvent Extraction System
FES 8 R	Eight Place Automatic Solvent Extraction System

(iv) VALUE ADDED DATA LOGGER VERSION "AS DLS" SERIES : (PC Compatible Auto sequencing features with CD Display, 70 memory program, 12 desirable sequence steps of time/temperature domain, Direct USB port for PC / laptop connectivity, Graphical representation of time & temperature gradient & datalogger with real time clock, Digital microprocessor based preheating hot plate with digital display of temperature & time)

FES 2 AS DLS	Two Place Automatic Fibre Estimation System
FES 3 AS DLS	Three Place Automatic Fibre Estimation System
FES 4 AS DLS	Four Place Automatic Fibre Estimation System
FES 6 AS DLS	Six Place Automatic Fibre Estimation System
FES 8 AS DLS	Eight Place Automatic Fibre Estimation System

(v) VALUE ADDED DATA LOGGER VERSION "AS DLS" SERIES : AS DLS Version With Touch Screen Display

FES 2 AS DLS - TS	Two Place Automatic Fibre Estimation System
FES 3 AS DLS - TS	Three Place Automatic Fibre Estimation System
FES 4 AS DLS - TS	Four Place Automatic Fibre Estimation System
FES 6 AS DLS - TS	Six Place Automatic Fibre Estimation System
FES 8 AS DLS - TS	Eight Place Automatic Fibre Estimation System



(vi) COLD EXTRACTOR FOR FIBRE ESTIMATION SYSTEM

CES 2	Two Place Cold Extraction System
CES 3	Three Place Cold Extraction System
CES 4	Four Place Cold Extraction System
CES 6	Six Place Cold Extraction System
CES 8	Eight Place Cold Extraction System

J. FIBRA PLUS DF AUTOMATIC DIETARY FIBRE ESTIMATION SYSTEM:

DF 02	Two Place Automatic Fibre Estimation System
DF 03	Three Place Automatic Fibre Estimation System
DF 04	Four Place Automatic Fibre Estimation System
DF 06	Six Place Automatic Fibre Estimation System
DF 08	Eight Place Automatic Fibre Estimation System

K. HYDRO PLUS DOUBLE WATER DISTILLATION SYSTEM

DUO DIST DD (R)	Fully Automatic Water Double Distillation System Regular version with two stage stainless steel steam generators for pyrogen free lab grade water.
DUO DIST DD (VA)	Fully Automatic Water Double Distillation System Value Added version with Reverse Osmosis feeding unit with two stage stainless steel steam generators for pyrogen free lab grade water.

L. ROTTEK ORBITAL LABORATORY SHAKERS

ROTEK LSV	Laboratory Shaker Variable RPM
ROTEK LIS	Microprocessor Based Laboratory Incubator Shaker with eccentric pin guided drive system
ROTEK LES	Microprocessor Based Laboratory Environmental Shaker with eccentric pin guided drive system
ROTEK LSV DD	Double Decker Laboratory Shaker Variable RPM
RECITEK R	Laboratory Reciprocal Shaker
RECITEK RTD	Laboratory Reciprocal Triple Decker Shaker
ROTEK LWS	Laboratory Water Bath Shaker
GEL ROC	Rocker
GEL DES	Destainer
ROTEK HBO	Hybridization Oven

M. OTHER PRODUCTS

BRUKER	FT NIR Spectrometer for Food and Feed Analysis
METROHM	PH / PH - ION Meter
	Conductivity Meter
	Ion Chromatography
	Rancimat for oils and fats
SOCOREX	Option - Q Ultrapure Water Purification System
	Precision Liquid Handling Products

BRUKER-TANGO



FTNIR-Spectrometer

METROHM



Ion Chromatography

SOCOREX



Acura - Electronic Micropipettes