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OUR REF: LCB/D/VIC-A/01-2024.

DATE: January 24, 2024.

Mr. P. K. Verma
LAKSH CARE BIOTECH;
Plot No. – 70, Sector -7,
IIE, SIDCUL,
HARIDWAR – 249493.

Dear Sir,

We refer to your enquiry with our engineer Mr. Abhishek Kumar and have pleasure to quote below price of Karl Fischer Titration Apparatus, Potentiometric Titration Apparatus and Tap/Bulk Density Test Apparatus manufactured by us.

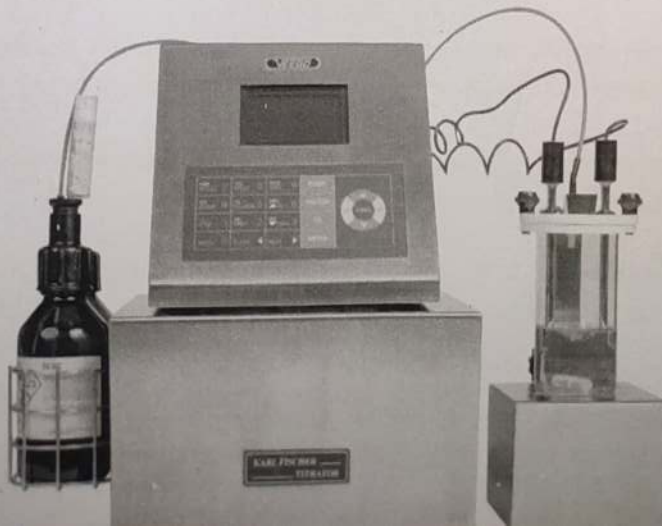
KARL FISCHER TITRATORS

VOLUMETRIC KARL FISCHER TITRATORS

1. DIGITAL AUTOMATIC K/F TITRATION APPARATUS, FABRICATED IN S.S. CABINET. MODEL: VEEGO/MATIC-MD(PC). (NEW ADVANCE VERSION)

The model VEEGO/MATIC – MD(PC) is Micro-Controller Based Automatic Karl Fischer Titrator designed for accurate estimation of moisture contents in various samples. It is used in QC, IPQC and R&D labs in Pharmaceutical, Chemical and other industries.

The instrument is having a Magnetic Stirrer and Motorized Dispenser for addition of Karl Fischer Reagent. A backlit Alpha-Numeric LCD Graphic Display and Feather Touch Keyboard on front panel make the instrument user friendly and easy to operate. The instrument supports both DST and Water for factor determination of the K. F. Reagent. The Average Factor of the K. F. Reagent is automatically calculated by the instrument. The instrument is having built-in Validation and Calibration facility for dispensed volume. The instrument is having printer port for printer interface. This model is supplied without printer. PC Software and RS 232 serial port to USB port convertor is supplied with the instrument for PC interface. This is useful to store the data on the PC and can be printed as and when required.



Features:

- Memory provision for storage of 24 Product names
- 7 formulas are used to calculate the Factor and Result.
- 10 Operator names can be stored
- Selection of Stirrer speed through Feather Touch Keyboard
- Facility to customize test reports with user Company's name and Instrument ID
- Results in Percentage, PPM and mg. of H₂O.
- On line messages for user friendly operations.
- Error Messages to avoid wastage of chemicals.
- Built-in Volume Validation & Calibration Facility.
- Printout as per GLP requirements.
- This Instrument is fabricated in **S.S. Cabinet.**

Technical Details:

Measuring Range: 100 PPM and above with appropriate sample quantity
Dispensing Resolution: 0.01 ml
Dispenser: Motorized Automatic Dispenser with Inlet and Outlet Nozzles
Stirrer: Built-in Magnetic with Digital Speed Controller.
Keyboard: 16 Keys Feather Touch Keyboard with Stirrer Controller.
Display: LCD Backlit Graphic Display.
Printer Interface: 9 Pin D Type Serial Port for 80 Column Dot Matrix Printer.
Power Supply: 230 V AC 50 Hz 250 W.

Standard Accessories:

PTFE Titration Clamp.
Platinum Electrodes.
Micro-liter Syringe.

PRICE Rs: 1,49,500/- EACH.

Packing & Freight Charges will be Extra Rs. 3,850/- per Instrument.

**2. DIGITAL AUTOMATIC K/F TITRATION APPARATUS, FABRICATED
IN S.S. CABINET, GMP, MODEL: VEEGO/MATIC-EX-(T).
SINGLE BOARD COMPUTER BASED**

This is an advanced and sophisticated instrument, designed for accurate estimation of moisture in various samples. It is used in QA, QC and R&D labs in Pharmaceutical, Chemical and other industries.

The instrument is having a Magnetic Stirrer and Motorized Dispenser for addition of Karl Fischer Reagent. 7 Inch TFT color monitor with capacitive touch screen for easy programming.

The volume of the K. F. Reagent added, is displayed on the TFT color monitor. The end point of the titration is indicated by an audio signal. The instrument supports both DST and Water for factor determination of the K. F. Reagent.

The instrument is having facility to store required test methods for testing samples. These methods are user programmable and pass word protected. The instrument is having built-in Validation and Calibration facility for dispensed volume.



EXPERTISE THROUGH EXPERIENCE

TAP/BULK DENSITY TEST APPARATUS

DIGITAL AUTOMATIC TAP/BULK DENSITY TEST APPARATUS MODEL: VTAP/MATIC -II.

Tap Density Test Apparatus is designed for determination of the tapped density of powder samples by tapping the cylinder under specific conditions. It can also be used for Granules, Flakes etc.

This unit is designed as per USP Specification, suitable for both USP Method I & II having provision to hold two cylinders. Unit is used for measuring bulk/tapped density of powder, granules, pellets etc. The illuminated alpha numeric screen makes instrument users friendly. It calculates the Percentage Difference between Tapped Volumes, Tapped Density, Compressibility Index and Housner Ratio automatically. For details, refer enclosed leaflet.

Features:

- Incorporated with Advanced Microcontroller.
- Supports USP – I and USP – II.
- Alphanumeric display and user friendly feather touch keypad.
- Built-in validation facility.
- Informative help prompt messages displayed, to guide user while conducting test.
- Updated test status displayed.
- Password protection facility to safeguard data.
- Non-volatile memory for storage of 24 test method.
- Updated test status displayed.
- Calculates Bulk Density, Tapped Density, Compressibility Index and Hausner Ratio
- Simultaneous action of rotating and tapping of the cylinders.
- Print format as per GLP requirements.
- Compliant with USP Specifications.



Specifications:

- Test Method: USP – I and USP – II
- Tapping Range: 1 – 9999 Taps
- Drive: Stepper Motor
- USP – I
 - Tap Height: 14mm \pm 2mm.
 - Tapping Rate: 300 Taps/Minute. approx.
- USP – II:
 - Tap Height: 3mm \pm 0.3mm.
 - Tapping Rate: 250 Taps/Minute. approx.
- Display: 20 x 4 Lines, Wide Angle, Alphanumeric Backlit LCD
- Key Board: 4 x 4 Matrix Feather Touch Key Board
- Parallel Port Printer Interface for Dot Matrix Printer
- Compliant with USP Specifications:
- Power Supply: 230 \pm 10 V AC, 50/60 Hz, 2 Amps Max.



EXPERTISE THROUGH EXPERIENCE

Standard Accessories:

• Validated Measuring Cylinder 250ml.	1 No
• Validated Measuring Cylinder 100ml.	1 No
• Holder for 250 ml Cylinder.	1 No
• Holder for 100 ml Cylinder.	1 No

For details, please refer to the enclosed leaflet.

PRICE RS. 89,500/- EACH.

Packing & Freight Charges will be Extra Rs. 6,850/- per Instrument.

Optional Accessories:

Acoustic Cabinet	Rs. 59,500/-each.
Validated Measuring Cylinder 250ml.	Rs. 6,500/-each.
Validated Measuring Cylinder 100ml.	Rs. 6,000/-each.
Holder for 250 ml Cylinder.	Rs. 8,000/-each.
Holder for 100 ml Cylinder.	Rs. 6,000/-each.
80 Column Printer DM Printer.	Rs. 29,500/- each.

Note: IQ, OQ documents will be provided with the instrument.

Terms & Conditions:

These prices are valid for Local sale only.

PRICES: Ex our works in Mumbai. Packing, Forwarding, Freight and Taxes etc, will be charged extra.

TAX: IGST @ 18% extra. (HSN CODE: 9027 89 90/GST NO: 27AACPV8764G1Z5)

Please inform your IGST Registration Number.

INSPECTION & APPROVAL: Please depute your Technical Person to our office in Mumbai for inspection and approval of the instrument, if required.

DELIVERY: In about 6-8 weeks, after receipt of your order. After approval and receipt of payment, the instrument will be dispatched by suitable Courier Service.

INSTALLATION: Installation will be organized, at your lab, through our associates Technical Representative/Engineer, at EXTRA COST plus IGST @ 18%.

PAYMENT: Against Performa Invoice by Cheque/DD OR Directly by RTGS/NEFT to our Bank Account.

WARRANTY: The instrument is warranted for satisfactory service of 'One Year' from the date of delivery, provided it is operated under normal working conditions. This warranty is only against manufacturing defects if any. In case any repairs or replacements of parts is required during this period, it will be done free of charge. The instrument will have to be sent to us and taken back after testing at our premises at the purchaser's cost.

VALIDITY: Our offer will remain valid for 90 days.

For further information on these instruments, please contact us by email or phone.

Yours faithfully,

FOR VEEGO INSTRUMENTS CORPORATION,

(G. P. VAIDYA)

Encl: Leaflets.

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(Ver. JAN 2024)

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Mr. P. K. Verma
LAKSH CARE BIOTECH;
Plot No. – 70, Sector -7,
IIE, SIDCUL,
HARIDWAR – 249493.

Dear Sir,

We refer to your enquiry with our engineer Mr. Abhishek Kumar and have pleasure to quote below price of Disintegration Test Apparatus, Dissolution Test Apparatus, Friability Test Apparatus, Melting Point Apparatus, Digital Tablet Hardness Tester and Digital Leak Test Apparatus manufactured by us.

TABLET DISINTEGRATION TEST APPARATUS

This test determines whether tablets and capsules disintegrate within a prescribed time when placed in an immersion fluid under prescribed experimental conditions.

1. TABLET DISINTEGRATION TEST APPARATUS, Model: VTD – DV

Features:

- Microcontroller based circuitry to precisely control, indicate and program temperature of water bath and beaker individually.
- 'PAUSE' facility: This facility permits chemist to check disintegration state of the tablets intermittently and continue test without disturbing the test parameters.
- Maintenance free single stepper motor.
- All test parameters are indicated on graphic LCD display screen.
- The status of the tablets can be checked with the help of 'PAUSE KEY'.
- Software and Hardware protection for Heater.
- Validation of cycles / Min. with On/Off line printing facility.
- Temperature of both beakers displayed individually.
- Test reports print all the detailed test parameters with ON-LINE or OFF-LINE printing facility.
- Facility to print company's name on test report.
- Optically isolated heater.
- Facility to review set parameters.
- Nonvolatile memory.



Technical Details:

- Number of glass beakers: 2 (1000 ml Beakers).
- Number of baskets: 2 (Each containing 6 glass tubes and 6 guided discs, designed as per USP, IP and BP standards).
- Number of cycles: 30 cycles/min.
- Stroke length: 55 ± 2 mm.
- Power supply: 230V, 50Hz, 1 KW max.
- Timer maximum interval setting: 4 Hours.
- Temperature range: 2°C above room temperature.
- Temperature resolution: ± 0.2 °C.
- Dimensions (L x W x H): 390 x 360 x 570 mm
- Weight: 15 Kg.
- Informative 128 x 64, blue graphic LCD display.
- Input: Tactile Keypad
- Memory to store 25 tests method and 25 test reports.
- Compatible with DOT MATRIX printer.

PRICE Rs: 78,500/- EACH

Packing & Freight Charges will be extra Rs. 7,850/- each Instrument.

2. TABLET DISINTEGRATION TEST APPARATUS, MODEL: VTD-AVP



Features:

- Equipped with individual stepper motors to drive baskets up/down independently as well as for parking facility.
- While one basket is in operation the other basket can be deactivated.
- 240 X 64 wide angle display for better presentation to indicate test parameters.
- Two different batch products can be analyzed simultaneously.
- Basket's motor movements can be validated independently.
- Supports test for Enteric-coated tablets or Delayed Release Tablets.
- Date and product selection in off line printing.
- Power failure indication program is incorporated.
- Date and time is password protected
- Memory to store 48 test reports and 95 Test Methods

Technical Details

- Number of beakers: 2 (1000 ml Glass Beakers).
- Number of baskets: 2 (Each containing 6 glass tubes and 6 guided discs, designed as per USP, IP and BP standards).
- Number of cycles: 30 cycles/min.
- Stroke length: 55 ± 2 mm.
- Power supply: 230V, 50Hz, 1 KW max.
- Timer Maximum Interval Setting: upto 4 Hours.
- Temperature range: 2°C above room temperature.
- Temperature Resolution: $\pm 0.2^{\circ}\text{C}$.
- Dimensions (L x W x H): 390 x 390 x 740 mm.
- Weight: 20 Kg.
- Informative 240 x 64, blue graphic LCD display.
- Input: Tactile Keypad + QWERTY/PC Keyboard for easy data entry.
- Memory to store 95 tests method and 48 test reports.
- Compatible with DOT MATRIX printer.

PRICE Rs: 1,29,500/-EACH

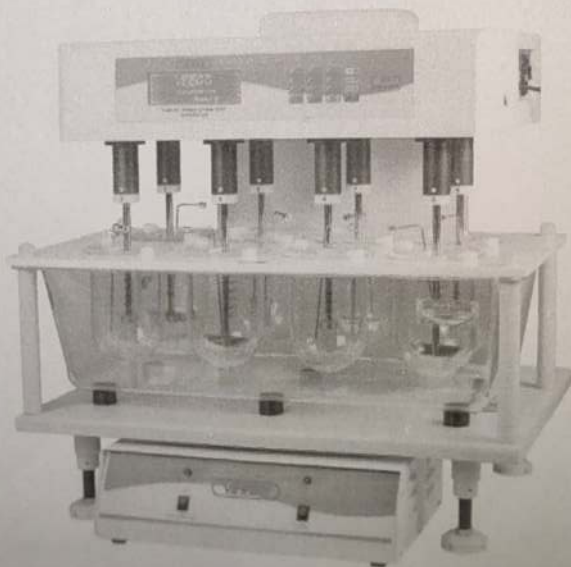
Packing & Freight Charges will be extra Rs. 7,850/- each Instrument.

TABLET DISSOLUTION TEST APPARATUS

Tablets or capsules taken orally remain one of the most effective means of treatment available even today. Tablet Dissolution is a standardized method for measuring the rate of drug release from a dosage form.

MICROCONTROLLER BASED DISSOLUTION TEST APPARATUS, MODEL: VDA-8D

This Advanced, Eight Tests Microprocessor based instrument is designed to conduct dissolution tests, as per IP/BP/USP Standards. The apparatus is equipped with very reliable maintenance free stepper motor drive for stirrers. The speed of the stepper motor is controlled and maintained by advanced microcontroller based system.



Technical Specifications:

- 8 Nos. Easy to attach and detach 'Press Fit' wobble free Stirrer shafts.
- 8 Nos. simple attachable or detachable Paddles assembly (USP II).
- 8 Nos. Baskets with simple attachable or detachable assembly (USPI).
- Water Circulating Pump to maintain constant temperature of water-bath.
- 8 Nos. Clear Dissolution Glass Vessels.
- Molded Water Bath with non-corrosive Tank plate.
- An external Probe to indicate vessel temperature.
- 149 Test Methods with 24 different time intervals for sampling.
- Large Graphic LCD (240 X 64) to indicate set parameters like: RPM, Vessel Temperature, time interval, test time, etc.
- Wobble and vibration free instrument.
- Software and hardware protection for Heater.
- Precise individual vessel centering system.
- Facility to review set parameters.
- Serial printer port for connecting dot matrix printer.
- Both, user friendly key board and QWERTY key board incorporated for easy data entry.
- Power failure indication program is incorporated.
- RPM: 25 TO 200.
- Temperature Range: 30.0°C – 40.0°C with accuracy $\pm 0.2^\circ\text{C}$.
- Wake-up mode to turn on the heater on predetermined time intervals.

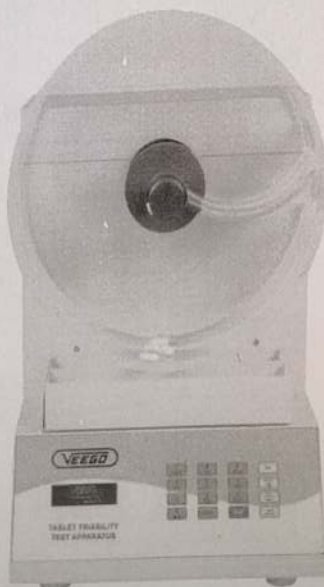
PRICE Rs: 2,47,500/- EACH

Packing & Freight Charges will be extra Rs. 14,850/- each Instrument.

FRIABILITY TEST APPARATUS

Friability testing apparatus measures the rate of abrasion and ability of the tablet to withstand physical stress during transport.

TABLET FRIABILITY TEST APPARATUS, MODEL: VFT-DV (Loading from Front Side)



Features:

- Front loading system.
- Interlocking mechanism to ensure correct drum position
- Advanced micro-controller circuitry and user friendly software.
- Alpha Numeric Splash proof keyboard for entries like sample name, batch number for data authentication.
- Programmable Modes: Timer or Rotation.
- The drums have a slot positioned to automatically discharge the tablets into the trays, at the end of the test without dismantling the drum assembly.
- Total number of drum revolutions can be set in the range of 1 to 9999.
- Report printout complies with GLP specifications.
- Instrument complies with USP, BP, and IP specifications.
- Instrument will tilt 10 Degree as per specification.
- It supports regular friability drum & abrasion drum.
- Calculated friability percentage will be indicated on the display as well as print.
- Balance interface for sample weight transfer.
- For Test report: Parallel port.

Specifications:

- No. of drums: 2.
- Fixed RPM: 25 RPM.
- Accuracy: ± 1 rotation
- Timer: Settable up to 11 hrs 59min 59sec.
- Counter (Rotation): 1 to 9999 rotations.
- Display: 2 Line LCD Display.
- Input: 4 x 4 Tactile Keyboard
- Power: 220/230 V A C 50/60Hz less than 25 VA.
- Weight: Net - 12 Kg, Gross- 20 Kg.

PRICE Rs: 57,500 /- EACH

Packing & Freight Charges will be extra Rs. 3,850/- each Instrument.

LEAK TEST APPARATUS

DIGITAL AUTOMATIC LEAK TEST APPARATUS, MODEL: VLT - A.

The Instrument finds smallest leaks and holes in Tablet Blisters and other flexible, semi-rigid packages. The Instrument is incorporated with microcontroller based circuitry and is very simple to operate.

The process is being divided into various stages. Vacuum is created as per the set value, then vacuum pressure is exposed to stress the package to exact set time. The vacuum is released after the set time and samples are kept under the atmosphere pressure for set time. This ensures that the color water is penetrated even into fine holes.

Technical Specifications:

- Complete Automatic System.
- Display Indicates Set and Actual VACUUM LEVEL.
- VACUUM LEVEL can set as per requirement up-to -600 mm Hg.
- Settable Retention Time, Start delay Time and Vacuum Hold Time.
- Automatic Release of Vacuum Pressure.
- Alarm Indicates the TEST OVER.
- Incorporated with inbuilt diaphragm (oil free) vacuum pump.
- Print facility (serial interface for dot matrix printer).
- 20 x 4 alphanumeric informative LCD screen.
- 4 x 4 matrix self-explanatory key board.



Specifications:

DESICCATOR	: 300mm Polycarbonate vacuum desiccators.
BODY	: SS 304.
Supply	: 230 V AC, 50/60 Hz.

PRICE Rs: 92,500/- EACH

- ❖ Customised GLASS vacuum desiccator can be supplied

Note: IQ, OQ documents will be provided with the instrument.

Total Amount: 7.58500/-