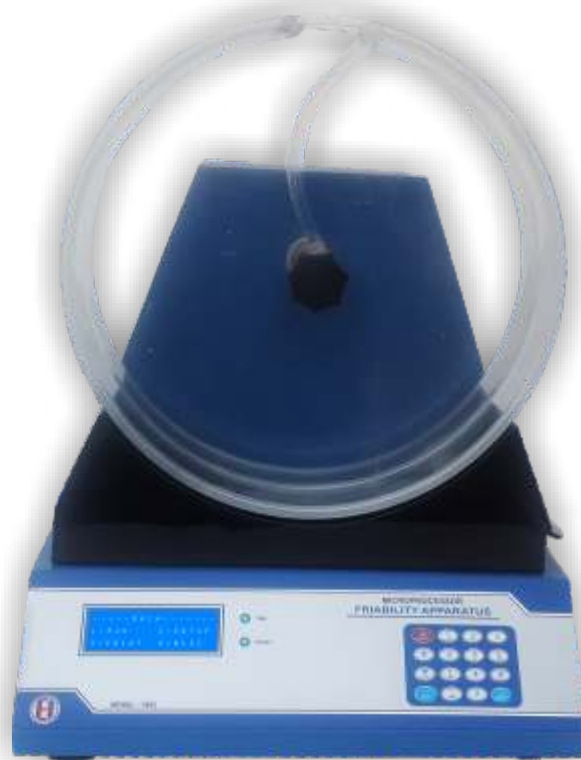# Microprocessor Friability Apparatus

1902

Advantages

- Complies with USP, IP specifications
- Microprocessor based, easy to use
- 20 x 4 line alphanumeric LCD display with backlit
- 16 Soft touch membrane type keys
- Independent programmable setups for Time & Count mode with storage
- Password-protected user access
- Rs232 Printer attachment facility
- Automatically calculates percentage friability
- Loading and unloading of tablets without removing drums
- Power Failure detection facility
- User friendly operation with menus & current status indicators.

1 Year Warranty

MICROPROCESSOR FRIABILITY APPARATUS, MODEL 1902 measures the tendency of a tablet to chip or breakdown to pieces when held under mechanical stresses. Instrument uses the latest microcontroller technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

System is equipped with 4 line alphanumeric LCD display with backlit and 16 number of soft touch membrane type keys.

The friability tester can be operated using only one or two drums. The rotational speed of drums can be set at different speeds (20-60 RPM). The samples can be loaded conveniently without removing the drums and after the test completion the samples are automatically unloaded to the collection tray.

To eliminate the manual input of weight of samples the facility of connecting a weighing scale is also available. When weighing scale is connected the weight of samples is automatically recorded to the instrument from the weighing balance.

The test can be performed in two different modes Time or Count mode. The instrument stores the test parameters, readings and results simultaneously in the memory which are retained even after the power is switched OFF. Provision has also been made for attachment of a printer so as to provide hard-copy printouts of test data, including the time, date and calculated results.

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Technical Data

TEST METHODS	Time and Count Mode
SPEED OF DRUMS	20 – 60 RPM
NO. OF DRUMS	2
DISPLAY	20x4 Alphanumeric LCD
KEYBOARD	Soft touch membrane keys, alphanumeric mobile keypad
COUNTER	1 to 9999 rotations
TIMER	1 sec to 9 hrs 59 min 59 sec
TYPE OF DRIVE	Direct Drive with Stepper Motor
PRINTER	Attachment of RS232 printer with Serial interface
ELECTRICAL SUPPLY	230 V AC ± 10%, 50/60 Hz, 44VA
DIMENSIONS (WXHXD)	335mm X 330mm X 340mm
WEIGHT	12 Kgs

Product Range

Semi Auto Analyser, Double Beam UV/VIS Spectrophotometer, Single Beam UV/VIS Spectrophotometer, Flame Photometer, Haemoglobin Meter, Photo Colorimeter, pH Meter, Conductivity Meter, TDS Meter, DO Meter, Salinity Meter, Turbidity Meter, Nephelometer, Colony Counter, Karl Fischer Moisture Titrator, Fluorometer, Dissolution Test Apparatus, Disintegration Test Apparatus, Friability Apparatus, Melting Point Apparatus, Bulk Density Appartus, Telethermometer, Temperature Indicator, Water & Soil Analysis Kit, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Student Microscope, Binocular Microscope, Medical Microscope, Co-Axial Microscope.

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