

MICROPROCESSOR BASED PROGRAMMABLE DIGITAL TABLET FRIABILITY TEST APPARATUS



MODEL : TF-2D

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- ◉ **Programmable Microprocessor Based Circuit for Simple, Reliable and Accurate Operations**
- ◉ **Powerful, Sturdy Motor ensures smooth function.**
- ◉ **Bright 2 lines informative LCD Display to set the parameters and to indicate the results.**

This advanced microprocessor based programmable instrument is having many unique features. It is equipped with a broad bright LCD screen to display the test parameters. The advanced microprocessor circuitry precisely checks and controls the number of the rotations required for the tests. The digital alphanumeric LCD screen displays various important messages regarding the test like Set Rotations and Actual Rotations of the test. The rate of abrasion and impact hardness of the tablets can be determined by using this equipment.

The unit is equipped with two transparent acrylic drums which rotate at a fixed speed. The advantage is that two batches of the tablets can be tested simultaneously. Each of the two acrylic drums

are provided with an arm, which carries the tablets along with it upto a predetermined height and allows them to fall from the specified height, while the drums are rotating. With necessary arrangement, on request, the drums can be tilted at 10° angle. The required number of the test rotations of the Friability Test can be programmed with the help of self explanatory LCD display and simple keys. After the starting of the test, the display simultaneously indicates both number of set rotations of the test and actual number of rotations. The apparatus stops automatically, with audio alarm, after the completion of the number of rotations, set for the friability test.

The main feature of this unit is that it incorporates a special constant speed sturdy motor to drive the drums. The speed of the drums is maintained constant at 25 RPM. If required, the instrument with other fixed speeds such as 30 RPM etc, can be supplied on request. The cabinet of the unit is having chemical resistant epoxy powder coated finish. The unit works on 230 Volts, AC mains supply.

DIGITAL TABLET FRIABILITY TEST APPARATUS, MODEL: TF-1D.

This apparatus is similar to Model: TF-2D, but equipped with a single drum to conduct one test at a time instead of two. The single version apparatus is having all specifications, as per Model: TF-2D, except it is having only the single test facility.



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