



Friability Tester for Single or Dual Drums

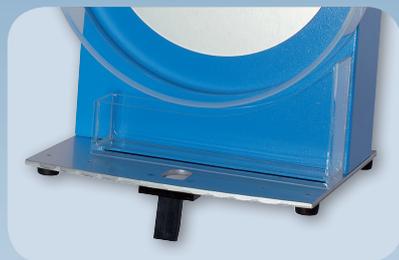
- ▶ **Compliant** with USP 1216, EP 2.9.7 and other Pharmacopoeias
- ▶ **Front loading** of tablets and automatic discharge after test completion
- ▶ **Easy to view** LCD display with scroll down menus
- ▶ **Flexible operation** including timer, counter or speed mode
- ▶ Tablet Weights entered **manually or automatically** with connection to balance
- ▶ **Calculation** of percent friability and **Test Report printed** as per GMP/GLP requirements
- ▶ **Qualification procedure** is fully menu guided with printed report
- ▶ Designed and **Manufactured in Switzerland**

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FT 2 with two drums



10° tilt of the drum

Specification

Test methods	<i>USP 1216, EP 2.9.7, User specified</i>
N° of drums	<i>1 or 2</i>
Speed	<i>20 – 50 rpm</i>
Voltage	<i>110/230 V 50/60 Hz</i>
Interface	<i>RS232, Ethernet port</i>
Dimensions W/D/H	<i>260/305/475 mm</i>

Order Information

Part # 11100	Description SOTAX FT 2 includes: - 1 friability drum
Option: 11088	2nd Drum includes: - 1 friability drum - assembling parts
Available Drums: 9085 11241 11241-2	friability drum abrasion drum abrasion drum Rus. Pharm.
Optional RS232 Printer: C100-0050 C100-0170 E050-7415	printer cable adapter

Test Description

The friability of tablets test is a method to determine the physical strength of uncoated tablets. The method is described in the EP and USP. The Tablet Friability Tester consists of a drum and a motor. The drum has an inside diameter of 287 mm and 38 mm in depth, made of a transparent synthetic polymer with polished internal surfaces. The drum is attached to the horizontal axis that rotates at 25 rpm. The tablets are weighed and placed in the drum. The drum rotates 100 times and the tablets are removed. Any loose dust or broken fragments from the tablets are removed. If no tablets are cracked, split or broken, they are weighed again and the friability is determined (percent of the lost mass with respect to the initial mass).

Features and Benefits

The SOTAX Friability Testers FT 2 has a front loading system. A snap-lock knob holds the automatic dispensing drum in position. The anti-static drums are designed to engage with the drive to prevent any slippage. At test start, the drum is automatically positioned for tablet loading. The opening in the drum allows the tablets to be loaded without removing the drum. At the end of the test, the drum rotates to automatically discharge the samples into the tray used for weighing.

A 10° tilt of the drum is provided by an adjustment in the base of the instrument. This is used to prevent irregular tumbling, causing non-reproducible results. The drum is rotated by a maintenance-free drive with variable speed between 20 – 50 rpm. A report can be printed at the end of the test as per GMP/GLP requirements and includes the test parameters and time and date for the test performed. It also includes serial number of the instrument along with the entry fields for user name and product details. The special designed drive provides gentle starting and stopping of the drum.

Test can be performed in two different modes:

- ▶ Time mode
- ▶ Revolution count mode

The Qualification procedure is fully menu guided with printed report. For automated weight reading a balance can be connected.

Calibration and Qualification

The FT 2 is built to conform to current guidelines. It can be calibrated and qualified using the SOTAX Qualification Plan and can be included in a SOTAX Services Maintenance/Qualification contract.