

STANDARD

AE-Xi

Abrasion and Friability Unit

The microprocessor controlled abrasion and friability tester is equipped with either one or two test stations. Alternative test drums can be mounted for executing roll and fall friability tests or for abrasion tests on tablets, coated tablets, granules, etc.

The test samples can be loaded and emptied easily by the quick-release mechanism. The design of the unit is GMP/GLP-conform, the housing is made of stainless steel.

The test time, rotational speed and number of revolutions can be set easily and quickly through the front key.

Optional support for printer and balance with automatic calculation of friability and report at the end of a test.

MEASURED PARAMETERS



ABRASION



FRIABILITY

ADVANTAGES

- + Quick-release Test drum mechanism
- + Solid housing in stainless steel
- + User friendly foil key pad

FUNCTIONS

- 10° angle test function
- Password protected settings

OPTIONS

- Friability drum
- Abrasion drum
- Printer (Epson ticket printer)
- Balance (Mettler or sartorius)
- IQ, OQ, PQ



Pic.: AE-2i with two independent drum drives



Pic.: AE-1i with one drum station

AE-XI

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Operating modes:

Preset time:

A preset time from 1 minute to 23 hours and 59 minutes is entered via the keypad and remains visible on the LC-display while running together with the time still left to run. The unit stops automatically when the test period has elapsed.

Preset number of revolutions:

The total number of revolutions (up to 999'999) is entered via the keypad and remains visible on the LC-display while running together with the number of revolutions still left to run. The unit stops automatically when the correct number of revolutions has been executed.

Set rotational speed:

The speed of rotation is set via the keypad to be between 10 and 99 rpm



Pic.: Friability (right) and abrasion (left) drum

TECHNICAL DATA

AE-1i

AE-2i

Dimensions W x D x H (mm)

290 x 340 x 350

420 x 340 x 350

Weight

Weight

5.5 kg

6.2 kg

Main Supply

Voltage

100-240 V

100-240 V

Frequency

47-63 Hz

47-63 Hz

Power consumption

25 W

50 W

Fuses

1.6 AT

1.6 AT

Interface

Balance

RS232

Printer

RS232

Environmental conditions

Temperature range

18-40°C