

# TABLET FOUR-USAGE TESTER

## DESCRIPTION

Tablet Four-Usage Tester is a basic equipment used for quality control of solid dosage forms. This device has four tests: dissolution, disintegration, friability, and hardness. It can be operated easily, and it has a high performance, accuracy, and sensitivity. It is widely used in pharmaceutical industry, universities, research institutes, etc.

## TECHNICAL PARAMETERS

MODEL	MULTITEST-4
Temperature range	20 - 45°C
Temperature stability	± 0.3°C
Speed range	20 - 200 rpm
Speed accuracy	± 2 rpm
Timing range	1 - 900 min
Timing accuracy	± 0.5 min
External size	580 x 380 x 480 mm
Weight	31 kg
Power	600 W
Power supply	AC 110V, 60Hz



Ecoshel reserves all the rights to changes in product design, if there are any design change, we will not inform in advance.

## ***DISINTEGRATION***

Nacelles	2
Nacelle glass tubes	6
Volume of beaker	1000 mL
Nacelle up and down frequency	30-32 times/minute
Nacelle up and down range	59±2 mm

## ***DISSOLUTION***

Basket units	3
Paddle units	3
Basket radial run-out	± 1.0 mm
Paddle radial run-out	± 0.5 mm
Centering	± 2.0 mm



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## **FRIABILITY**

Drum	1
Drum diameter	Φ 286 mm
Drum depth	39 mm
Tablet fall height	156 mm
Rotation speed	25 rpm
Rotation speed accuracy	± 1 rpm

## **HARDNESS**

Hardness range	2 - 200 N
Probe procession range	Approx. 1 - 20 mm

## **KEY FEATURES**

1. Heating, dissolution, timer, and friability functions with indicator lights.
2. Four LED displays are used to individual set velocity, time, and temperature and to view measurement of hardness.
3. Bath box is made of transparent acrylic.
4. Efficient temperature and circulation systems.

## **STANDARD ACCESSORIES**

1. Beaker
2. Nacelles units
3. Mercury thermometer
4. Bath box
5. Bulb syringe
6. Plastic hose
7. Brush
8. Vessels
9. Paddle units
10. Rotating basket units
11. Covers
12. Filter paper
13. Stainless steel sampling cannula
14. Syringe filter

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