



Product Code . JL-DTA-2212

Tablet Dissolution Test Apparatus

Description

Tablet Dissolution Test Apparatus

Features:-

Extremely useful for pharmaceutical labs

Highly accurate and easy to operate

High stirrer speed accuracy

uP based stirrer speed control

Tablet Dissolution Test Apparatus is an instrument for the determination of active drug ingredient in any pharmaceutical formulation – tablet or capsule as per USP, BP and IP specifications.

This apparatus evaluates adequate bio-availability and provides necessary information to formulate in the development of therapeutically optimum dosage forms.

This dissolution testing device plays an important role in product development, quality control and research.

Single Test Dissolution apparatus consists of constant temperature, acrylic water-bath in which dissolution vessel is placed.

Dissolution medium specific for tablet /capsule formulation is added into this dissolution vessel.

Tablet or capsules are introduced in the vessel.

The stirrer speed is accurately controlled and maintained at ± 1 rpm by microprocessor based speed controller and the temperature of the water-bath is accurately maintained at $\pm 1^\circ\text{C}$ by a very sensitive thermostat.

The microcontroller, elegant design and advanced features make this instrument state-of-the-art dissolution testing apparatus. The analysis is performed as directed in the individual monograph.

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Specifications:-

Stirrer	
Speed	25-200 RPM + 1 RPM
Resolution	1 RPM
Accuracy	+ 1 RPM
Depth Adjustment	25 mm to 40 mm
Temperature	
Range	10 - 50 $^\circ\text{C}$
Accuracy	+ 1 $^\circ\text{C}$
Temperature Control	Thermostat 0-85 $^\circ\text{C}$
Sampling	
Reaction Vessel	1000 ml jar with stirrer pedal and basket
Heater	1 KW
Power	230 V \pm 10% AC, 50 Hz
Dimension (L x B x H)	320 x 320 x 375 mm(Approx.)
Weight	9 Kg. (Approx.)
Accessories	Main Unit with acrylic tank and rectangular cover platey
	Reaction vessel - capacity 1000 ml
	Round acrylic cover plate with hole and a large slit
	Stirrer motor with tightening knob
	S.S. paddle, stirrer shaft and clamp, stainless steel wire mesh basket, glad thermometer, s.s. support rod fitted with acrylic block

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