



Manual, single station Tablet Disintegration tester, PTZ S

PTZ S, manual tablet disintegration tester, manufactured according to the recent DAB, EP, USP and other pharmacopoeias.

The PTZ S is used for the manual testing of disintegration times of tablets, capsules and other solid dosage forms. The single basket PTZ S version offers the following features:

- totally silent operation
- vibration free movement, stroke height set to 55 mm at 30 strokes/min.
- user adjustable number of strokes
- digital display of elapsed testing time and auto stop at the end of a run
- Total testing time (pre-selectable) between 1 second to 24 hours
- small footprint
- exchangeable baskets for apparatus "B" (30mm tube size) as described in the USP

A 24V DC motor drive smoothly moves the basket up and down over a distance of 55 mm (each way), 30 times per minute. Every two seconds the stroke rate is self adjusted; the stroke height is pre-set by the eccentric drive mechanism. The basket which holds the glass tubes and discs, is placed into a stainless steel holder and moves smoothly into the testing medium. Depending on the operating procedure, the test is either automatically stopped if the pre-set time has expired or if the operator aborts the test. The basket always stops at its highest mechanical position.

The digital LED display shows the elapsed testing time; using the "recall" key on the keyboard, any

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pre-set time can be displayed.

A built-in thermostatically controlled heater warms the water within the plexiglass (perspex) bath up to 37°C. A powerful pump is used to circulate the water within the bath at a rate of about 1.4 l/min. The pre-selected temperature is automatically adjusted by a built-in control sensor. A second sensor is used as a safety device which switches off the heater should the temperature rise above 55°C. A over-temperature fuse and switch, fixed to the heater, provide additional safety features to protect the system from overheating.

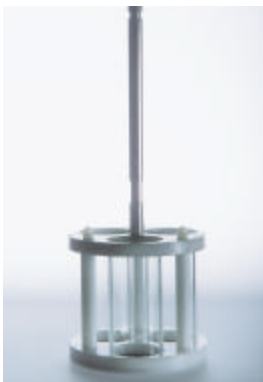
The bath temperature can be adjusted within the range of 30°- 40°C. Using a thermometer the temperature of the test medium can be checked at any time. The standard basket is supplied with 6 glass tubes and 6 plastic discs. Optionally, the 3 tube basket according to apparatus "B" of the USP can be used without any further modifications.

Technical Data

Display:	LED Display
Keyboard:	function keys
Stroke Frequency:	30 strokes/minute
Accuracy:	± 1
Stroke Height:	55 mm
Accuracy:	± 1
Thermostat:	built-in 1000W heating tube and circulation pump, 2 digital sensors, overheating protection, adjustable with 30° to 40° C
Accuracy:	± 0.3° C

Dimensions and Weights

Net weight:	approx. 13 kg
Gross weight:	approx. 19 kg
Packaging:	approx. 70 x 50 x 50 cm



"B" Basket, (Test "B" 2.9.1.2 EP) 33 mm diam., used to test bigger samples
order no. 105-2014 incl. glass tubes and disks

We reserve the right to make technical changes without any prior notice