

Suppository Disintegration Test Instrument - Type PTS 3E



The **PTS-3E** Suppository and Pessaries Disintegration Tester is designed and manufactured in compliance to the EP monograph <2.9.2.1/2.9.2.2> and the German DAB Pharmacopoeia. The PTS-3E is used for the manual measurement of suppositories and pessaries disintegration times. The instrument meets the requirements of the valid EP and German DAB pharmacopoeia. According to the Pharmacopoeia monograph 3 samples are tested at the same time. The total testing period can be pre-set within a range of 1 minute to 10 hours. When used to test suppositories the sample baskets will turn automatically each 10 minutes through 180 degrees as specified in the relevant monograph.

The instrument offers the following features...

- Automatic rotation through 180 degrees when suppositories are tested
- Selectable cycling time for 1 - 10 Min.
- Programmable testing time for 1 min. to 10 hours
- Digital display of elapsed testing time
- Recall pre-set total time
- Built-in circulation thermostat, adjustable for 30°C - 40°C +/- 0.5°C accuracy
- Simultaneous test of 3 samples possible as per EP monograph
- Heating system protected against grease intrusion
- Water bath volume > 12 ltr.

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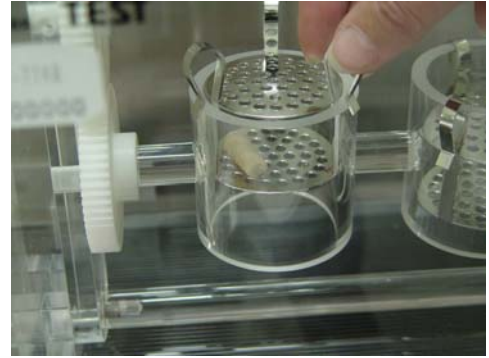
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Basket Sample Holder complete



Basket including Suppository

The test basket for the three samples is placed into a 12ltr Plexiglas (Perspex) water bath. Program the total test time and turning sequence, (usually 10 minutes), and start the test. Automatically, the basket will be turned through 180 degrees in the programmed sequence during the total test time. Usually the suppository will disintegrate, within 30 minutes.

If used to test Pessaries not cycling time is entered but the samples are placed on top of the basket which is covered by the supplied glass plate.

A built-in thermostatically controlled heater warms the water within the bath to 37°C or the required temperature. A 1000 W tubular heater and a powerful pump circulates the water within the system. The heating system is specifically designed to protect it against the entry of any fat or active materials..

In order to clean the system, the bath, the sample holder and the sample baskets can be completely removed from the instrument.

Technical Data

Display:	LED Display
Keyboard:	Function Keys
Thermostat:	Built-in 1000W heating tube and circulation pump, overheating protection, temperature adjustable within 30° to 40° C
Accuracy:	± 0.5° C
Testing time:	Programmable from 1 minute to 10 hours
Cycling time:	Programmable from 1 to 10 minutes
Test stations:	3
Instrument Housing:	Stainless steel to comply with GLP standards

Dimensions and Weights

Net weight:	22 kg
Gross weight:	28 kg
Packaging:	760 mm x 570 mm x 570 mm

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

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