

PTS-3E

Suppository Disintegration Test Instrument

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.



Test Procedure

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 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.

Advantages

- » Removable bath, sample holder and test baskets for easy cleaning
- » Heating system is protected against any fat or grease intrusion
- » Tubular heater and powerful circulation pump system for even temperature distribution
- » IQ/OQ documents included free of charge

Features

- » Fully EP <2.9.2> compliant
- » Test 3 samples at the same time
- » Test suppositories as well as pessaries
- » GMP compliant stainless steel housing

Standard Scope of Supply

The PTS-3E (part. no. 39-00039) comes ready to use with the following standard scope of supply:

- » PTS 3E Plexiglas-Water bath complete (part. no. 391-7140)
- » PTS 3E POM toothed gear (part. no. 391-2601)
- » PTS 3E spring (part. no. 391-1148)
- » PTS 3E Frame Insert, incl. Basket Holder (part no. 391-7147)
- » Stainless steel basket for suppository (part. no. 391-7352)
- » Glass cover plate to test vaginal ovals (part. no. 391-3002)
- » Glass test rod (part. no. 391-3003)

Technical Specifications

Parameter	Specification
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
Instrument dimensions	Approx. 720 x 280 x 360 mm (Length x Width x Height)
Packaging dimensions	Approx. 760 x 570 x 570 mm (Length x Width x Height)
Net / Gross weight	Approx. 22 / 28 kg

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