

DISSO III-7

Automated DISSO III-7 Disso Rate Tester



The Automated DISSO III-7 Disso Rate Tester is Logan Instrument Corporation's newest apparatus for USP Methods 3 & 7 dissolution testing. This easy-to-operate (8-tubes per row x 6 rows) dissolution tester utilizes the most modern technology and is designed to operate trouble-free and continuously. Two additional tubes in each row facilitate the running of a blank and standard concurrently with the samples. The built-in heater-circulator is designed to save bench space and is directly controlled by the DISSO III-7.

The DISSO III-7 is equipped with adjustable stroke length control; the users are able to set to the program to run either as USP 3 or USP 7. Some of the USP 7 methods are tested in the 5 - 50 ml test tubes; the user can order the additional 12 - 32 position sample holders/hangers and 12 position tube holders to run 12 - 32 samples in each row. By exchanging the DIP RACK and TUBE CARRIERS, the USP 3 and USP 7 tests can be switched easily.

The DISSO III-7 performance exceeds the requirements of USP specification. The NO - EVAPO cover design seals all outer tubes to limit the evaporation and ensure all tablets are dissolved at the proper dip speed and same temperature. Each DISSO III-7 is supplied with a serial RS-232 communication port; options include the sampling manifold and printer. The DISSO III-7 can be automated by adding Logan DSC-800 System Controller/ Logan SYP-8L - 10ml Syringe Pump and Logan SCR-DL Sampler Collector. Please contact Logan Instruments for more information.



No Evaporation Top
Covers on tubes
USP - 3



No Evaporation Top
Covers on tubes
USP - 7



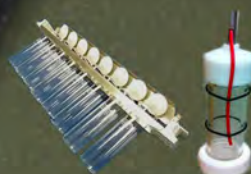
Emergency stop switch



Travel track safety guard



USP 3 and USP 7 on one unit,
switch USP 3 and USP 7 by
selecting the stroke length



Inline Sampling
&
Outer Tube Carrier W/
Individual Cover



Manual sampling station



USP 7 Sampler Holders

Specifications

Automated DISSO III-7 Disso Rate Tester

	USP 3	USP 7
Sample Amount	Up to 8 Samples/Row	Up to 12 Samples/Row
Vessel Position	Up to 6 Rows and 8 Positions per Row	Up to 12 Rows and 12 Positions per Row
Dip Speed Control	4~50 Dip per Minute, Accuracy ± 0.5 DPM	4~50 Dip per Minute, Accuracy ± 0.5 DPM
Dip Stroke	10 mm	2-4 mm
Temp. Control	25-45° C, Accuracy $\pm 0.1^{\circ}$ C	25-45° C, Accuracy $\pm 0.1^{\circ}$ C
Shaft Size	1/4" DIA	1/8" DIA
Water Bath	Plastic Construction	Plastic Construction
Heater Circulator	1400 w/ Dual Heat System	1400 w/ Dual Heat System
Size	25"W x 30"D x 27" H 63.5 x 76.2 x 68.6 cm	25"W x 30"D x 27" H 63.5 x 76.2 x 68.6 cm
Weight	120 lb., 55kg	120 lb., 55kg
Voltage	110-120V 50-60 Hz / 220-240 V 50/60 HZ	110-120V 50-60 Hz / 220-240V 50-60 Hz