

UDT - 814 - 12+2

Universal Dissolution Tester



The UDT-814-12+2 Automated Dissolution Tester is the newest apparatus for dissolution testing required by USP. This 12-vessel dissolution tester is designed for easy operation and built to operate continuously. There are 12 vessels for sampling; the two additional 300 ml vessels can be used for blank, standard or media replacement.

The built in heating circulator saves bench space, electronic controls for sampling probe positions for different media volume sampling. Paddle and basket height are set electronically. The no-vibration and self-calibrating design ensures all tablets dissolve at the true speed and same temperature, the optional VTC-300 water heater can be purchase to warm up the water temperature.

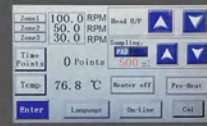
Several options are available with the UDT-814-12+2 including an automated sampling manifold to automate the instrument with other systems such as automated Sampling Systems, UV or HPLC systems. The password protection feature secures the test methods, it also avoid the user errors. For manual sampling: 12 syringes can be mounted on the side to pull the samples at the same time. For tablet dropping: All samples can be pre-loaded on a tablet-dropping tray and to drop all 12 samples simultaneously, a printer records the test data's (Time, speed, temperature...) during the test for completed documentation.

UDT-814-12+2 performances exceed the requirements of USP, BP, EP and JP.

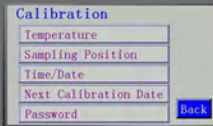
LOGAN
INSTRUMENTS CORP.



LCD touch screen for speed, temperature and time control



2 or 3 speed zones (optional)



Self-centering vessel design, self-calibrating speed and temperature control system



Power lift for automation, vertical lift to ensure the centering between shafts and vessels.



Automation ready for online analysis with UV, HPLC and Fiber Optic systems



Positive grip chuck design to insure no shaft wobbling



Space saving built-in heater circulator – use Built-in heater circulator picture



One piece molded water bath and camera ready platform

Specifications

UDT-814-12+2 Universal Dissolution Tester

Drive/vessel positions	12 active spindles
Speed range	25~250rpm ± within 1rpm
Temperature range	25°C ~ 45°C ± 0.1°C
Shaft size	3/8" diameter
Water bath	Fabricated clear plastic tank
Heater	1000 watts
Weight	44lbs (20kg)
Operating voltage	110~120V at 50/60Hz or 220~240V at 50/60Hz