

# UDT - 814

## Universal Dissolution Tester

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The UDT-814 Automated Dissolution Tester is the newest apparatus for dissolution testing required by USP. This 8-vessel dissolution tester is designed for easy operation and built to operate continuously. There are 6 vessels for sampling; the two additional vessels can be used for blank, standard or media replacement.

The built in heater circulator saves bench space. There are electronic controls for sampling probe positions in different media volume sampling. Paddle and basket heights are set electronically. The no-vibration and self-calibrating design ensures all tablets dissolve at their true speed and same temperature.

The acid resistant vessel plate and height adjustable platform seal the water tank to limit evaporation.

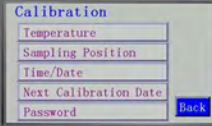
Several options are available with the UDT-814 including an automated sampling manifold to link the instrument with other instruments such as UV or HPLC systems or syringes for manual sampling, a tablet-dropping tray, a Control/Calibration/Validation Software package and an external printer.

UDT-814 performance exceeds the requirements of USP, BP, EP and JP.

**LOGAN**  
INSTRUMENTS CORP.



LCD touch screen for speed, temperature and time control



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



2 or 3 speed zones (optional)



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



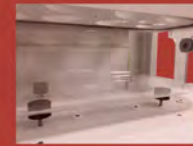
Automation ready for online analysis with UV, HPLC and Fiber Optic systems



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 cameras ready platform

## Specifications

### UDT-814 Universal Dissolution Tester

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