



KLABS Microprocessor Dissolution Test Apparatus touch Screen



Product Description

KLABS KMDTA-1000 Microprocessor Dissolution Test Apparatus is a touch screen based dissolution testing system designed for pharmaceutical laboratories. The instrument features programmable operation, high accuracy temperature control, multiple operating modes, data storage capability, and printer connectivity for efficient dissolution analysis.

Features

- 7 Inches Colored Touch Screen
- Password protected data login facility
- Complies with USP, IP specifications
- Extremely useful for Pharmaceutical Labs
- Highly Accurate and Easy to Operate
- Programmable Stirrer Speed Control (25 – 200 RPM)
- USB Interface Available
- Three Programming Modes i.e. Routine, Sustain and Control
- 40 Independent Programmable Setups for Routine and Sustain Mode with Storage Facility
- 400 Samples Storage Facility
- Printer Attachment Facility
- Audio Visual Indicators for System Status
- Easy to Empty & Clean the Water Bath with Bottom Drainage
- Continuation of Last Sample Run in case of Power Failure

Applications & uses

- Pharmaceutical Dissolution Testing
- Quality Control Laboratories
- Drug Release Studies
- Research & Development Laboratories
- Pharmaceutical Manufacturing Facilities
- Academic & Research Institutes
- Routine Dissolution Analysis
- Product Development Studies



KMDTA-1000

Accessories

- Round Acrylic Cover Plate with Hole and a Large Slit (8 Nos.)
- S.S. Paddle, S.S Wire Mesh Basket (8 Nos.)
- Glass Pipettes with Rubber Bellows
- Mains Lead
- Instruction Manual
- Dust Cover
- Main Unit with Acrylic Tank and Rectangular Cover Plate and Water Bath Temperature Sensor (T1)
- Heater Bath Circulating Pump
- External Temperature Sensor (T2) for Vessel
- Reaction Vessel Capacity 1000 ml (8 Nos.)

Technical Specifications

Parameter	Specification
Product Name	Microprocessor Dissolution Test Apparatus
Model Number	KMDTA-1000
Stations	8 basket
Display	7 Inches Colored Touch Screen
LED's	6 LED's, 3 LED's for Test status like Run, Alarm, End and 2 LED's for Platform up/down status and one for heater ON/OFF status
Prog. Mode	Routine, Sustain and Control mode. Facility for 20 different test setups available in Routine and Sustain mode
Printer	Provision for the attachment of dot-matrix printer with centronics parallel port interface available
Stirrer Speed	25 – 200 RPM, ± 1 RPM
Stirrer Resolution	1 RPM
Stirrer Accuracy	± 1 RPM
Temperature Range	30 to 50°C
Temperature Accuracy	$\pm 1^\circ\text{C}$
Temperature Control	Microprocessor Based using Pt100 / Semiconductor Sensor
Reaction Vessel	Vessel 1000 ml jars with stirrer pedals and baskets
Heater	1 KW
Power	230 V $\pm 10\%$, 50 Hz AC