



KLABS KDIS-72 Microprocessor Dissolution Test Apparatus (Single Basket)



Product Description

KLABS KDIS-72 Microprocessor Dissolution Test Apparatus is a precision laboratory instrument designed for dissolution testing of pharmaceutical dosage forms as per IP/USP standards. The instrument features programmable test setups, microprocessor-based temperature control, LCD display and USB connectivity, ensuring reliable and accurate dissolution analysis.

Features

- Highly Accurate and Easy to Operate
- Microprocessor Controlled Operation
- USB Interface Available
- 20 Independent Programmable Test Setups
- Storage Facility for Routine Testing
- LCD Display with Backlight
- Soft Touch Membrane Keyboard
- Stable Temperature Control
- IP/USP Compliant Design
- Reliable Laboratory Performance

Application/Uses

- Pharmaceutical Quality Control Laboratories
- Drug Dissolution Studies
- Research & Development Laboratories
- Academic Institutions
- Formulation Development Laboratories
- Regulatory Testing Laboratories
- Pharmaceutical Manufacturing Units



LCD
DISPLAY



ACCURATE
& STABLE



USB
CONNECTIVITY



SOFTWARE
CONTROL SYS.



EASY
OPERATION

Technical Specifications

Parameter	Details
Product Name	Microprocessor Dissolution Test Apparatus
Model Number	KDIS-72
Configuration	Single Basket
Display	20 × 4 Line Alphanumeric LCD with Backlight
Keyboard	15 Soft Touch Membrane Keys
Status Indicators	4 LEDs for System Status, 3 LEDs for Run/Alarm Status, 1 LED for Heater ON/OFF
Setup Storage	20 Different Test Setups
Printer Interface	Dot Matrix Printer Provision with Centronics Parallel Port
Stirrer Speed Range	25 to 160 RPM
Speed Resolution	1 RPM
Speed Accuracy	±1 RPM
Depth Adjustment	25 mm to 40 mm
Temperature Range	30°C to 50°C
Temperature Accuracy	±0.2°C
Temperature Control	Microprocessor Based using PT100 / Semiconductor Sensor
Reaction Vessel Capacity	1000 ml Jar with Stirrer Paddle and Basket
Heater Power	0.5 kW
Power Supply	230V ±10%, 50 Hz AC
Dimensions	330 × 300 × 660 mm (Approx.)
Weight	11 kg (Approx.)

Standard Accessories

- Main Unit with Acrylic Tank
- Rectangular Cover Plate with Water Bath Temperature Sensor (T1)
- 1000 ml Reaction Vessel
- Round Acrylic Cover Plate with Slit and Hole
- Stirrer Motor Assembly
- Stainless Steel Paddle
- Stainless Steel Stirrer Shaft & Clamp
- Stainless Steel Wire Mesh Basket
- Stainless Steel Support Rod
- External Temperature Sensor (T2) for Vessel
- Mains Lead
- Instruction Manual
- Dust Cover