

Reciprocating Dissolution Tester



ERD-03

Features:

- Complies to current USP Apparatus 3 specifications
- Ideal for extended release products or any dosage form requiring release profiling at multiple pH levels
- Select between multiple configurations of rows, vessels and vessel volume to meet testing needs for USP 3
- 20 programmable protocols with 24 sample intervals
- 2 level security with password
- Touch screen with graphical display for user friendly operation
- Dip rate ranges between 5 to 50 dpm with an accuracy of $\pm 1\%$
- Programmable hold, drain time and programmable dip rate in each row
- Temperature range between 30°C to 40°C with an control accuracy of $\pm 0.2^{\circ}\text{C}$
- Online validation of dpm and temperature
- Rugged clear acrylic water bath
- PC & LAN Connectivity allows centralized printing, storing and sharing of data.
- Retractable curtain to prevent media loss by evaporation
- Can be configured with 100 ml and 1000 ml capacity vessels along with vessel tray

Specifications:

Model	ERD-03
Material of Construction	SS 316
Water Bath	Clear acrylic moulded water bath
Bath capacity	44 litres
No. of rows	6
Vessel capacity (ml)	300
Reciprocating height (mm)	100
No. of dips rate (dpm)	5 to 50
Readable temperature range ($^{\circ}\text{C}$)	15 to 50
Controlled temperature range ($^{\circ}\text{C}$)	30 to 40
Display	Touch screen
Motor	Single shaft Motor 10 kg cm
Heater	1000 Watts, 230 V AC, S. S 304
Mains fuse	1 Amp
Heater fuse	6 Amp
Dimension (L X W X H)	795 X 675 X 780 mm

Ordering information:

Products		
Product code	Description	Quantity
1120200	ERD-03 (Body made of M.S.) -230V	1
1110200	ERD-03 (Body made of M.S.) -110V	1

Standard accessories		
Part number	Description	Quantity
1101A00040	300 ml vessels	42
1101A00022	Reciprocating cylinders	7

Optional accessories		
Part number	Description	Quantity
1101A00001	100 ml Vessels (6 rows X 7 vessel each) :	1 Set
1101A00021	Reciprocating cylinder assembly for 100 ml vessel	
1101A00017	Evaporation caps for 100 ml	
1101A00004	Vessel stand for 100 ml vessel	
1101A00003	1000 ml vessels :	1 Set
1101A00023	Reciprocating cylinder assembly for 1000 ml vessel	
1101A00019	Evaporation caps for 1000 ml	
1101A00006	Vessel stand for 1000 ml vessel	
1101A00020	USP 3 arm for 1000 ml vessel	
1101A00007	20 mesh / 850 micron	1 Set
1101A00008	40 mesh / 425 micron	1 Set
1101A00009	60 mesh / 250 micron	1 Set
1101A00010	80 mesh / 180 micron	1 Set
1101A00005	100 mesh / 150 micron	1 Set
0104A00442	Deconex 12 Basic 0.7 kgs (approx. 1000ml bottles)	10

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