

Reciprocating Dissolution Tester ERD-03 (Basic)



Features:

- Complies with 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 method
- 3.5" TFT touch screen graphic display
- 20 programmable protocols with 16 sampling intervals
- 2 level security with password
- Dip rate ranges between 5 to 50 dpm with an accuracy of $\pm 5\%$
- Programmable hold, drain time and programmable dip rate in each row
- Temperature range between 20°C to 40°C with a 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.
- Retractable curtain to prevent media loss by evaporation
- Configured with 100 ml and 300 ml capacity vessels along with vessel tray

Specifications:

Model	ERD-03 (Basic)
Material of Construction	S.S. 316
Water Bath	Clear acrylic moulded water bath
Bath capacity	44 Litres
Number of rows	50 x 9, 100 x 6, 300 x 6, 1000 x 1
Number of dips rate	5 to 50 dpm
Vessel Capacity	100ml, 300ml, 1000ml
Motor	Single shaft motor 10 kg cm
Temperature range	20°C to 40°C
Temperature accuracy	$\pm 0.2^{\circ}\text{C}$
Heater	1000 Watts, 230 V AC, S. S 304
Dimensions (W x L x H)	675 mm x 795 mm x 780 mm
Electrical power	220/230 VAC, 50/60 Hz, 600 W/6 Amp 110 VAC, 50/60 Hz, 600 W/6 Amp
Weight	150 Kg (Approx)

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Reciprocating Dissolution Tester ERD-03 (Basic)

Ordering information:

Products		
Product code	Description	Quantity
1120200	Reciprocating Dissolution Tester Model ERD-3 (MS)	1
11200	Reciprocating Dissolution Tester Model ERD-3	1
1110200	Reciprocating Dissolution Tester Model ERD-3 (MS) 110V	1

Standard Accessories		
Product code	Description	Quantity
1101A00022	Reciprocating Cylinder for 300ml Vessel	7
1101A00040	ERD 300 ml vessels	42
1101A00041	ERD Vessel stand for 300ml Vessel	6
1101A00018	ERD Evaporation Cap for 300ml Vessel	7
1101A00020	ERD-03 Arm	1
1101A00036	S.S 316 Screen 20 mesh (Set of 10)	1
1101A00013	S.S 316 Screen 40 mesh (Set of 10)	1

Optional Accessories		
Product code	Description	Quantity
1101A00034	ERD-03 Arm Assembly for 1000mL Vessel	1
1101A00025	ERD-03 THK Bearing for 12mm Rod (Set of 2)	1
1101A00026	ERD-03 Ball Bearing (Set of 2)	1
1101A00056	ERD-03 Conversion Kit From ERD-03	1
1101A00021	ERD-03 Reciprocating Cylinder for 100ml Vessel	7
1101A00022	ERD-03 Reciprocating Cylinder for 300ml Vessel	7
1101A00023	ERD-03 Reciprocating Cylinder for 1000ml Vessel	6
1101A00035	ERD Water Bath	1
1101A00040	ERD 300mL Vessel	42
1101A00005	ERD - Polypropylene Screen 100 Mesh (150 Micron)	1
1101A00024	ERD Evaporation Cap for 300ml Vessel with Needle	1
1101A00044	ERD Reciprocating Cylinder Upper Cap (Set of 7)	1
1101A00045	ERD Reciprocating Cylinder Lower Cap (Set of 7)	1
1101A00046	ERD 300mL Conversion Kit	1
1101A00002	ERD 100ml Vessel Amber	42
1101A00048	ERD SS 316 Screen - 200 Mesh (Set of 10)	1
1101A00006	ERD Vessel Stand for 1000ml Vessel	3
1101A00050	ERD Front Guided Rod with Silver Structure (Set of 2)	1
1101A00059	ERD Validation Kit	1
1101A00052	ERD 300ml Vessel Amber color	42
1101A00058	ERD Adaptor Plate	1
1101A00055	ERD Vertical curtain Assembly	1
1101A00057	ERD Polypropylene Screen - 30 Mesh (Set of 7)	1
1101A00007	ERD Polypropylene Screen - 20 Mesh	1
1101A00008	ERD Polypropylene Screen - 40 Mesh	1
1101A00002	ERD - Polypropylene Screen 40 Mesh (425 Micron)	1

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Optional Accessories		
Product code	Description	Quantity
1101A00003	ERD 1000ml Vessel	1
1101A00004	ERD Vessel Stand for 100ml Vessel	1
1101A00009	ERD Polypropylene Screen - 60 Mesh	1
1101A00010	ERD Polypropylene Screen - 80 Mesh	1
1101A00017	ERD Evaporation Cap for 100ml Vessel	1
1101A00019	ERD Evaporation Cap for 1000ml Vessel	1
1101A00032	ERD Tube Holder Rubber for 300ml Vessel (Set of 7)	1
1101A00018	ERD Evaporation Cap for 300ml Vessel	1
1101A00001	ERD 100ml Vessel	1
1101A00005	ERD Polypropylene Screen 100 Mesh (150 Micron)	1
1101A00021	Reciprocating cylinder assembly for 100 ml vessel	1
1101A00022	Reciprocating cylinder assembly for 300 ml vessel	1
1101A00023	Reciprocating cylinder assembly for 1000 ml vessel	1
1101A00035	ERD Water Bath	1
1101A00037	ERD SS 316 Screen - 60 Mesh	1
1101A00038	ERD SS 316 Screen - 80 Mesh	1
1101A00039	ERD SS 316 Screen - 100 Mesh	1

Breakdown Parts		
Product code	Description	Quantity
1101B00035	ERD Bath Temperature Sensor	1
1101B00044	ERD Diving Assembly	1
1101B00032	ERD Water Circulation Tygon Tube - 2mtr	1
1101B00007	ERD Horizontal Motor Driver Card	1
1101B00002	ERD HMI - LCD Display	1
1101B00013	ERD Disk Opto Card	1
1101B00024	ERD Heater - 230V	1
1101B00008	ERD SMPS - 230V	1
1101B00010	ERD ARM Opto Card	1
1101B00011	ERD T - Cal PCB	1
1101B00014	ERD Ethernet PCB	1
1101B00016	ERD Proxy Sensor	1
1101B00012	ERD Home Opto Card	1
1101B00009	ERD SMPS 110V	1
1101B00006	ERD ARM Motor Driver Card	1
1101B00005	ERD Compatch Card	1
1101B00003	ERD Vertical Opto Card for ARM	1
1101B00039	ERD Cable from Display to Compatch Card	1
1101B00038	ERD-03 Heater Driver Card	1
1101B00001	ERD-03 Processor Card	1
1101A00020	ERD-03 Arm	1
1101B00004	ERD-03 Processor Patch	1
1101B00042	ERD-03 Basic Platinum kit	1
1101B00040	ERD-03 with ESC-D Platinum kit	1
1101B00033	ERD Curtain Assembly	1
1101B00034	ERD Curtain Cover	1
1101B00025	ERD Heater - 110V	1
1101B00015	ERD Hall Effect Sensor	1

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Breakdown Parts		
Product code	Description	Quantity
1101B00017	ERD Power ON/OFF Switch	1
1101B00018	ERD Power Socket	1
1101B00019	ERD Fuse Holder	1
1101B00021	ERD External Temperature Probe	1
1101B00022	ERD Printer Cable	1
1101B00023	ERD Front Panel	1
1101B00028	ERD Thermal Cutoff	1
1101B00029	ERD ARM Motor - Up / Down	1
1101B00030	ERD ARM Motor - Forward / Reverse	1
1101B00031	ERD Plastic Quick Release Coupling With Shut of Valve (Set of 2)	1
1101B00026	ERD Circulation Pump - 230V	1
1101B00027	ERD Circulation Pump - 110V	1

Assurance Plan		
Product code	Description	Quantity
1102S01	Platinum Assurance Plan for Reciprocating Dissolution Tester Model ERD-3 (Basic)	1
1102S02	Gold Assurance Plan for Reciprocating Dissolution Tester Model ERD-3 (Basic)	1
1102S03	Silver Assurance Plan for Reciprocating Dissolution Tester Model ERD-3 (Basic)	1
	Bronze Assurance Plan for Reciprocating Dissolution Tester Model ERD-3 (Basic)	1

IQ/OQ Document		
Product code	Description	Quantity
1102S15	IQOQ Document for Reciprocating Dissolution Tester Model ERD-3 (Basic)	1

Extended Warranty Support Plan		
Product code	Description	Quantity
1102S31	Extended Warranty Support Plan IQOQ Document for Reciprocating Dissolution Tester Model ERD-3 (Basic)	1

Inspection Charges		
Product code	Description	Quantity
1102S04	Inspection Charges for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

Inspection & Service Charges		
Product code	Description	Quantity
1102S06	Inspection & Service Charges for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

Re-calibration Charges		
Product code	Description	Quantity
1102S09	Re-calibration Charges for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

Rental Charges		
Product code	Description	Quantity
1102R15	Rental Of Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

Dismantling Charges		
Product code	Description	Quantity
1102S12	Dismantling Charges for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

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Reinstallation Charges		
Product code	Description	Quantity
1102S11	Reinstallation Charges with IQ/OQ Document for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1
1102S10	Reinstallation Charges without IQ/OQ Document for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

Single Validation Charges		
Product code	Description	Quantity
1102S08	Single Validation Charges for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

Service Charges		
Product code	Description	Quantity
1102S05	Service Charges for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

In-House Repairing		
Product code	Description	Quantity
1102S07	In-House Repairing for Reciprocating Dissolution Tester Model ERD-03 (Basic)	1

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