

Reciprocating Dissolution Tester ERD-37



Features:

- Complies with current USP Apparatus 3 and 7 specifications
- User can switch between USP 3 and 7 methods within minutes and without any special tools
- Ideal for extended release products or any dosage form requiring release profiling at multiple pH levels
- Selection between multiple configurations of rows, vessels and vessel volume to meet testing needs for both USP 3 and 7 methods
- 3.5" TFT touch screen display
- Facilitates manual and auto sampling
- 20 programmable protocols with 24 sampling intervals
- Dip rate ranges between 5 DPM to 50 DPM with an accuracy of $\pm 5\%$
- Temperature range between 20°C to 40°C with an accuracy of $\pm 0.5^{\circ}\text{C}$
- Online validation of DPM and temperature
- Auto detection of tray position
- Reports printing on serial printer or LAN

Specifications:

| | |
|--------------------------|--|
| Model | ERD-37 |
| Material of Construction | S.S. 316 |
| Water Bath | Clear acrylic moulded water bath |
| Bath capacity | 44 L |
| Number of rows | 50 x 9, 100 x 6, 300 x 6, 1000 x 1 |
| Number of dips rate | 5 DPM to 50 DPM |
| Display | Touch screen, 3.5" Graphic display |
| Motor | Single shaft motor 10 kg cm |
| Temperature range | 20°C to 40°C |
| Temperature accuracy | $\pm 0.5^{\circ}\text{C}$ |
| Heater | 1000 Watts, 230 V AC, S. S 304 |
| Dimensions (L x W x H) | 795 mm x 675 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) |

Ordering information:

| Products | | |
|--------------|---|----------|
| Product code | Description | Quantity |
| 1120300 | Reciprocating Dissolution Tester Model ERD-37 | 1 |

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ELECTROLAB (India) PVT. LTD. (CIN NO : U33110MH2002PTC136735)

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Ordering information:

| Standard Accessories | | |
|----------------------|---|----------|
| Product code | Description | Quantity |
| 1101A00022 | Reciprocating Cylinder for 300ml Vessel | 7 |
| 1101A00040 | 300 ml vessels | 42 |
| 1102A00029 | ERD- 50ml Vessel | 108 |
| 1102A00020 | ERD-07 Arm | 1 |
| 1101A00020 | ERD-03 Arm | 1 |
| 1101A00036 | S.S 316 Screen 20 mesh | 7 |
| 1101A00013 | S.S 316 Screen 40 mesh | 7 |
| 1102A00030 | ERD-07 Evaporation Cap for 50ml Vessel | 12 |
| 1101A00018 | ERD Evaporation Cap for 300ml Vessel | 7 |
| 1101A00041 | ERD Vessel stand for 300ml Vessel | 6 |
| 1102A00031 | ERD-07 Vessel Stand for 50ml Vessel | 3 |
| 1102A00025 | ERD-07 Acrylic Rod | 12 |

| 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 |
| 1101A00043 | ERD 50mL Vessel - Amber | 108 |
| 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 |
| 1101A00049 | ERD Retnor (Set of 7) | 1 |
| 1101A00050 | ERD Front Guided Rod with Silver Structure (Set of 2) | 1 |
| 1101A00051 | ERD 50mL Conversion Kit | 1 |
| 1101A00052 | ERD 300ml Vessel Amber color | 42 |
| 1101A00054 | ERD Rubber sleeve (Set of 7) | 1 |
| 1101A00055 | ERD Vertical curtain Assembly | 1 |
| 1101A00057 | ERD Polypropylene Screen - 30 Mesh (Set of 7) | 1 |
| 1101A00058 | ERD Adaptor Plate | 1 |
| 1101A00076 | ERD-07 Kit For 20ml Including parts (Reciprocating Disc Holder (Set of 12) | 1 |
| 1101A00006 | ERD Vessel Stand for 1000ml Vessel | 3 |
| 1101A00059 | ERD Validation Kit | 1 |
| 1101A00007 | ERD Polypropylene Screen - 20 Mesh | 1 |
| 1101A00008 | ERD Polypropylene Screen - 40 Mesh | 1 |
| 1101A00002 | ERD - Polypropylene Screen 40 Mesh (425 Micron) | 1 |
| 1101A00005 | ERD - Polypropylene Screen 100 Mesh (150 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 |
| 1101A00028 | ERD-07 Shock Absorbing Brass Coupling Rubber (Set of 4) | 1 |
| 1102A00018 | ERD-07 Conversion Kit for ERD-07 | 1 |
| 1102A00019 | ERD-07 Oral Extended Release Tablet Holder Rod, Pointed for Gluing | 1 |
| 1102A00021 | ERD-07 Spring Holder (Oral Extended Release Tablet Holder) Size : 1.45 inch x 0.58 inch | 1 |
| 1102A00022 | ERD-07 Spring Holder (Oral Extended Release Tablet Holder) Size : 1.40 inch x 0.31 inch | 1 |
| 1102A00023 | ERD-07 Spring Holder (Oral Extended Release Tablet Holder) Size : 0.96 inch x 0.33 inch | 1 |
| 1102A00024 | ERD-07 Spring Holder (Oral Extended Release Tablet Holder) Size : 0.60 inch x 0.25 inch | 1 |
| 1102A00030 | ERD-07 Evaporation Cap for 50ml Vessel | 1 |
| 1102A00031 | ERD-07 Vessel Stand for 50ml Vessel | 1 |
| 1101A00030 | ERD-07 Reciprocating Disc Holder (Set of 12) | 1 |
| 1102A00026 | ERD-07 Arm Rod with Holder (Set of 12) | 1 |
| 1101A00078 | ERD-07 Program Patch For Up gradation | 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 |
| 1102B00001 | ERD-07 Processor Card | 1 |
| 1102B00004 | ERD-07 Processor Patch | 1 |
| 1101B00043 | ERD-07 Basic Platinum kit | 1 |
| 1101B00041 | ERD-07 with ESC-D Platinum kit | 1 |
| 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 |

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|-----------------|--|----------|
| 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 |
| 1101B00033 | ERD Curtain Assembly | 1 |
| 1101B00034 | ERD Curtain Cover | 1 |
| 1101B00025 | ERD Heater - 110V | 1 |
| 1101B00015 | ERD Hall Effect 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 |

| Assurance Plan | | |
|----------------|---|----------|
| Product code | Description | Quantity |
| | Platinum Assurance Plan for Reciprocating Dissolution Tester Model ERD-37 | 1 |
| | Gold Assurance Plan for Reciprocating Dissolution Tester Model ERD-37 | 1 |
| | Silver Assurance Plan for Reciprocating Dissolution Tester Model ERD-37 | 1 |
| | Bronze Assurance Plan for Reciprocating Dissolution Tester Model ERD-37 | 1 |

| IQ/OQ Document | | |
|----------------|--|----------|
| Product code | Description | Quantity |
| 11030515 | IQQOQ Document for Reciprocating Dissolution Tester Model ERD-37 | 1 |

| Extended IQ/OQ Document | | |
|-------------------------|--|----------|
| Product code | Description | Quantity |
| E11030515 | Extended IQOQ Document for Reciprocating Dissolution Tester Model ERD-37 | 1 |

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