

Reciprocating Dissolution Tester



ERD-07

Features:

- Complies to current USP Apparatus 7 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 7
- 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 $\pm 0.2^\circ$ 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-07 |
|--|----------------------------------|
| 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 |
| Accuracy ($^\circ$ C) | ± 0.2 |
| Controlled temperature range ($^\circ$ 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 |
| 1120100 | ERD-07 (Body made of M.S.) -230V | 1 |
| 1110100 | ERD-07 (Body made of M.S.) -110V | 1 |

| Standard accessories | | |
|----------------------|-------------------------|----------|
| Part number | Description | Quantity |
| 1102A00029 | 50 ml vessels | 42 |
| 1102A00022 | Reciprocating cylinders | 7 |

| Optional accessories | | |
|----------------------|--|----------|
| Part number | Description | Quantity |
| 1101A00001 | 100 ml Vessels (6 rows X 7 vessel each) : | 42 |
| 1101A00021 | Reciprocating cylinder assembly for 100 ml vessel | |
| 1101A00017 | Evaporation caps for 100 ml | |
| 1101A00004 | Vessel stand for 100 ml vessel | |
| | USP 7 arm for 100 ml vessel | |
| 1101A00040 | 300 ml vessels (6 rows X 7 vessel each) : | 1 Set |
| | Reciprocating cylinder assembly for 300 ml vessel | |
| | Evaporation Caps for 300 ml | |
| | Vessel Stand for 300 ml vessel | |
| | USP 7 arm for 300 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 | |
| | USP 7 arm for 1000 ml vessel | |