



TORONTECH

DISINTEGRATION TESTER - TORONDT™ 3X



ToronDT™ 3X Disintegration Tester offers precision and efficiency with a bathless heating system, independent motorized baskets, and automated reporting. Designed for compliance with USP, IP, and Ph. Eur. standards, it ensures fast, reliable testing with minimal maintenance.

Accessories

ToronDT Acrylic Tube for Three Tube Bolus Basket Assembly (Set of 6) – 0201A00032

ToronDT™ Acrylic Tube for Three Tube Bolus Basket Assembly (Set of 6) – 0201A00032

ToronDT Glass Beaker 1000 ml – 0201A00013

ToronDT™ Glass Beaker 1000 ml – 0201A00013

ToronDT Glass Tube for Single Tube Bolus Basket Assembly (Set of 2) – 0201A00003 Add to Quote Cart

ToronDT™ Glass Tube for Single Tube Bolus Basket Assembly (Set of 2) – 0201A00003
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APPLICATIONS

- **Pharmaceutical Quality Control** – Tests tablets, capsules, and bolus forms to confirm compliance with USP, IP, and Ph. Eur. disintegration standards.
- **Batch Release Testing** – Validates consistency and reliability of disintegration times across production batches.
- **Research and Development** – Assists in formulation optimization by analyzing how coatings, excipients, or active ingredients affect disintegration.
- **Specialized Dosage Forms** – Supports testing of soft gel capsules, bolus forms, and customized formulations with optional basket assemblies.
- **Regulatory Compliance** – Generates validation data and detailed reports for audits and certifications.
- **Academic and Training Laboratories** – Provides advanced yet user-friendly testing for education, training, and method development.

FEATURES

- Meets USP, IP, and Ph. Eur. standards
- Bathless heating system conserves water, time, and energy
- Maintenance-free design
- High-efficiency heater plates for rapid media heating
- Convenient basket park-out feature
- Advanced cam-free drive system

- Generates detailed test and validation reports
- Independent motor and timer with external probe for each basket
- Ergonomic, magnetically coupled basket for effortless loading
- Serial port for seamless report printing
- Programmable temperature range from 15°C to 40°C with auto calibration
- Bottom illumination enhances tablet visibility
- Each basket equipped with an individual temperature probe
- Quick-load basket design for easy cleaning
- Supports up to 10 customizable protocols
- Dual operation modes: Auto and Manual
- Integrated security system
- Three motor drives with independent timers

TECHNICAL SPECIFICATIONS

Model	ToronDT™ 3X
Beaker	1000 ml glass beakers (3 nos.)
Basket	3 nos. each carrying 6 test
Guided disc	Perforated cylindrical disc 6
Heater	250 watts, S.S. 304 watts
Display	40 x 4 LCD

Voltage	230 V AC, 50 Hz, 490 VA (110V is also available)
No. of strokes	30 +0.5 strokes/min
Illumination	Green LED
Stroke height	55 mm $\pm$ 2 mm
Temperature range	15° C to 40° C
Temperature resolution	$\pm$ 0.2° C
Timer setting	74 hrs 59 min. 59 sec
Dimension (L x H x W)	490 x 372 x 571 mm
Weight	18 kg

Ordering Information

Product Code	Description	Quantity
0241600	ToronDT™ 3X (Body made of S.S.) -230V	1
0221600	ToronDT™ 3X (Body made of M.S.) -230V	1
0211600	ToronDT™ 3X (Body made of S.S.) -110V	1

0231600	ToronDT™ 3X (Body made of M.S.) -110V	1
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Accessories

Part number	Description	Quantity
0216A00002	ToronDT™ 3X six tube basket assembly (Set of 3)	1
0213A00001	ToronDT™ Glass beaker (1000 mL)	3
0213A00002	External probe	3

Optional Accessories

Part number	Description	Quantity
0216A00006	ToronDT™ 3X6 tube basket assembly for isotretinoin soft gel capsules (Set of 3)	1
0216A00004	ToronDT™ 3X Single tube bolus basket assembly (Set of 3)	1
0216A00003	ToronDT™ 3X Three tube bolus basket assembly (Set of 3)	1
0216A00002	ToronDT™ 3X six tube basket assembly (Set of 3)	1
0104A00785	Connexion+	1



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