TORONTECH



DISINTEGRATION TESTER - TORONDT™ 2SA

ToronDT™ 2SA Disintegration Tester is a high-performance, bathless system designed for precise tablet disintegration testing. It meets USP, IP, and Ph. Eur. standards, featuring fast heating, automated basket lift, individual tablet tracking, and a user-friendly interface with secure login options.

Accessories

ToronDT Holder for Basket 40 Mesh 24.5 mm (Set of 6) – 0104A00206

ToronDT™ Holder for Basket 40 Mesh 24.5 mm (Set of 6) – 0104A00206

100 ml Vessels (6 rows X 7 vessel each)

100 ml Vessels (6 rows X 7 vessel each)

1000 ml vessels

1000 ml vessels – 1101A00003

APPLICATIONS

- **Pharmaceutical Quality Control** – Ensures tablets and capsules disintegrate within required timeframes as per USP, IP, and Ph. Eur. standards.
- **Research and Development** – Supports formulation studies by evaluating how different excipients and coatings affect disintegration.
- **Production Batch Testing** – Validates consistency of disintegration times across multiple batches for compliance.
- **Regulatory Compliance** – Generates validation data and printed reports for audit-ready documentation.
- **Training and Education** – Provides precise, user-friendly testing suitable for academic and industrial training labs.
- **Specialized Testing** – Accommodates different vessel sizes and accessories for varied product testing needs.

FEATURES

- Meets USP, IP, and Ph. Eur. standards
- Bathless heating system saves water, time, and energy
- Maintenance-free design
- Optimized heater plates ensure fast media heating
- Automatic basket lift after test completion
- Tracks disintegration time for each tablet
- Prints test results and validation data
- Independent motor and timer with external probe for each basket

- Magnetically coupled basket for effortless loading
- Supports up to 50 user logins
- Secure date & time lock feature
- Dual test jars
- Bottom illumination enhances tablet visibility

TECHNICAL SPECIFICATIONS

Model	ToronDT™ 2SA
Beaker	1000 ml glass beakers (2 nos.)
Basket	2 nos. each carrying 6 test positions (dimensions as per latest USP)
Guided disc	Perforated cylindrical disc 6 nos. in each basket (dimensions as per latest USP)
Printer interface	RS232 Serial port
Display	20 x 4 LCD
Motor	Single shaft 6V DC motor 10 kg cm torque (2 nos.)
Illumination	Green LED
Voltage	230 V AC, 50 Hz, 550 VA (110V is also available)
No. of strokes	30 ±1 strokes/min

Stroke height	55 mm ±2 mm
Controlled temperature range	15° C to 40° C
Temperature resolution	±0.5° C
Dimension (L x W x H)	360 x 372 x 570
Weight	18 kg

Ordering Information

Product Code	Description	Quantity
0241300	ToronDT™ 2SA (Body made of S.S.) -230V	1
0221300	ToronDT™ 2SA (Body made of M.S.) -230V	1
0231300	ToronDT™ 2SA (Body made of S.S.) -110V	1
0211300	ToronDT™ 2SA (Body made of M.S.) -110V	1

Standard Accessories

Part number	Description	Quantity
0213A00001	ToronDT™ Beaker 1000 ml	2
0201A00009	ToronDT™ PO Six Tube Basket Assembly With Guided Disc (Set of 2)	1
0213A00002	ToronDT™ 2SA External Probe	2
0201B00053	Keyboard	1

Optional Accessories

Part number	Description	Quantity
0214A000105	ToronDT™ Heater cover with spacer	1
0214A00004	ToronDT™ Stand for external probe (set of 2)	1
0213A00004	ToronDT™ 2SA Cover - Front & Back (S.S)	1
0213A00002	ToronDT™ 2SA External probe	1
0213A00003	ToronDT™ SA Stroke height lable. (set of 2)	1

0201A00009	ToronDT™ PO Six tube basket assembly with guided disc	2

TORONTECH.com

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