



AUTOMATIC DIGITAL DENSITY METER- TORONDDM™ 50

Automatic Digital Density Meter- ToronDDM™ 50 | ASTM D4052

ToronDDM™ 50 is a high-accuracy automatic digital density meter designed to streamline routine liquid density measurement across pharmaceuticals, chemicals, food and beverage, and academic laboratories. Built on the oscillating U-tube principle, it combines proven analytical reliability with powerful automation at a competitive price.

Equipped with AI-driven parameter setting, Peltier temperature control, and HD video functionality to eliminate bubble interference, the DDM-50 provides stable and reproducible results with minimal operator input.

Fully 21 CFR Part 11 Compliant

Includes audit trail, electronic signature, and permission-based access control, ideal for FDA-regulated environments.

APPLICATIONS

Applications:

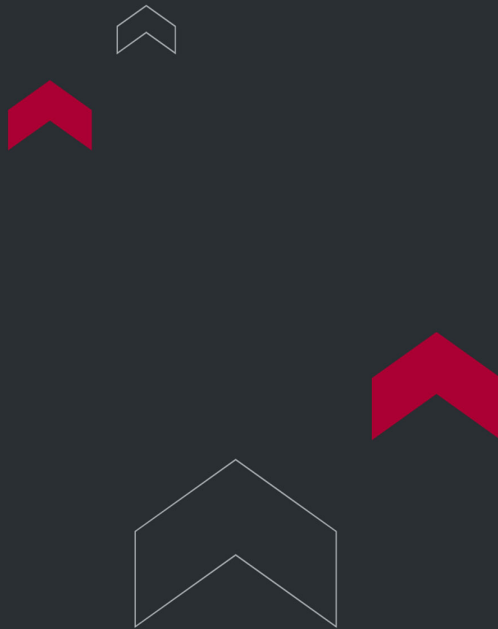
1. Pharmaceuticals: Active ingredient & excipient density QC
2. Petrochemicals: API index and additive blending
3. Food & Beverage: Sugar content, alcohol concentration, juice and syrup density
4. Chemicals: Detergents, acids, alkalis, ammonia water
5. Academic Labs: Teaching, training, and student research
6. 3rd Party Testing: Standard labs and contract testing centers

FEATURES

Key Features:

Specification	Details
Measurement Range	0-3.0 g/cm³
Resolution	0.0001 g/cm³
Repeatability	±0.0002 g/cm³
Accuracy	±0.0003 g/cm³
Temperature Control	Peltier system (0°C-55°C; ±0.01°C stability)
Sample Injection	Fully automatic (manual-compatible)
Display	10.4" FTF color touchscreen
Data Storage	32 GB internal memory
Output Interfaces	USB, RS232, RJ45, SD card, U disk
Export Formats	PDF, Excel
Video Monitoring	HD camera to detect air bubbles
Printing Support	Direct print through built-in printer
Compliance	21 CFR Part 11 (audit trail, electronic signature, user permissions)
Voltage	110V-230V, 50/60Hz
Dimensions	480 mm × 320 mm × 200 mm

Specification	Details
Weight	8 kg



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

