

DIGITAL DENSITY METERS - TORONDDM™ SERIES



Digital Density Meters - ToronDDM™ Series

Fast, accurate, and compliant liquid density measurement for labs and industries

Torontech's digital density meter series is a line of precision instruments used to measure the density of liquids quickly and accurately. These analyzers are essential for quality control and research in industries such as pharmaceuticals, petrochemicals, food and beverage, chemicals, and laboratories.

Each model uses the proven oscillating U-tube principle, offering:

- High measurement accuracy
- Excellent temperature stability
- Intelligent automation for streamlined operation

Ideal for both routine quality control and advanced analytical testing.

APPLICATIONS

Standards Compliance

Torontech's digital density meters conform to key international standards, including:

- **ASTM D4052-11** – Density and API gravity of liquids

Applications

Perfect for analyzing:

- Active pharmaceutical ingredients (APIs)
- Fuel blends and lubricants
- Alcoholic beverages
- Chemical solutions

FEATURES

Key Features Across All Models

- Peltier-based automatic temperature control
- High-definition camera for bubble detection
- USB and RS232 connectivity for data transfer
- Multi-level user access and data integrity features

TECHNICAL SPECIFICATIONS

Models Available

Choose from three models based on your lab's automation and compliance needs:

1. [ToronDDM™-50](#): Automatic model for general-purpose testing in labs and industrial settings.
2. [ToronDDM™-70](#): Fully automatic digital density analyzer with enhanced accuracy and full support for 21 CFR Part 11 compliance.
3. [ToronDDM™-90](#): Advanced model designed for high-viscosity samples, expanded data capacity, and complete regulatory support.

Explore the full ToronDDM™ series below to find the right digital density analyzer for your lab.

Model	ToronDDM™ 50	ToronDDM™ 70	ToronDDM™ 90
Test mode	Density, alcohol concentration and custom formula		
Measuring range	0 g/cm ³ to 3 g/cm ³		
Resolution	± 0.0001 g/cm ³	± 0.00001 g/cm ³	± 0.00001 g/cm ³
Repeatability	± 0.0001 g/cm ³	± 0.00005 g/cm ³	± 0.00005 g/cm ³
Accuracy	± 0.0003 g/cm ³	± 0.00008 g/cm ³	± 0.00008 g/cm ³
Injection method	Automatic (compatible with manual)		
With Video	YES		
Temperature control method	Peltier		
External heater	No	No	Yes
Temperature control range	5 °C-45°C	5 °C-65°C	5 °C-85°C
Temperature control stability	± 0.02°C		
Display method	10.4 inch FTF color touch screen		
Data storage	32GB	64GB	128GB
Output method	USB, RS232, U disk		

Model	ToronDDM™ 50	ToronDDM™ 70	ToronDDM™ 90
User Management	Yes / four-level authority management		
Standards compliant	ASTM D1250, D1475, D2501, D4052, D4806, D5002, D5931, D6448		
21 CFR PART 11	YES		
Audit trail	YES		
Electronic signature	YES		
Custom method library	YES		
Export file to verify high-level protection MD5	YES		
WIFI printing	YES		
Export in multiple file formats	PDF & Excel		
Packing Size	425 x 410 x 250mm		
Voltage	110V - 230V 50Hz / 60Hz		
Gross Weight	8.5kg		



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

