

MOISTURE ANALYZERS



Moisture Analyzers

Halogen, Infrared, and Textile Regain Moisture Analyzers | ToronMA™ Series

Torontech moisture analyzers apply the drying loss method across food, pharmaceutical, chemical, textile, and industrial materials. The ToronMA™ range spans seven configurations across halogen, infrared, and textile moisture regain measurement. Moisture readability options include 0.1%, 0.05%, 0.02%, and 0.01% across heating platforms rated to 160°C or 230°C. All instruments continuously weigh the sample during heating and calculate moisture as the percentage of mass lost.

Halogen models span high-precision lab platforms, split-type designs, compact food-grade units, and classic LCD instruments with multiple readability tiers. The infrared model suits solid and surface-crust samples. The textile regain series uses a mesh platform and unlimited measurement range for fiber and fabric QC. All seven series include RS232 output and external calibration as standard.

Why Choose Torontech for Your Moisture Analyzer

Torontech supplies testing and measurement equipment to laboratories and manufacturers across North America and worldwide, backed by responsive technical support and calibration service. The moisture analyzer range is built for reliable, standards-driven results, so you can standardize on one supplier as your testing needs grow. Our team helps you match the right configuration to your samples, applicable standards, and throughput, then supports you through installation and beyond.

Request a Quote

Tell us your sample type, required readability, heating range preference, and throughput, and our team will identify the right configuration for your moisture analysis workflow. [Contact the Torontech team](#) for pricing, lead times, and configuration guidance on any model in the ToronMA™ moisture analyzer range.

APPLICATIONS

Applications

Moisture analyzers serve industries where water content affects product quality, shelf life, processing yield, or regulatory compliance.

- **Food and Grain Processing:** moisture content testing of rice, corn, grain, flour, tea, dried fruit, and food ingredients for quality control, storage verification, and specification compliance
- **Pharmaceutical Manufacturing:** moisture determination of APIs, excipients, granulations, and tablet intermediates to meet pharmacopoeial specifications and GMP documentation requirements
- **Textile and Fiber Industry:** moisture regain measurement for wool, cashmere, cotton, silk, and yarn as the basis for trade weight adjustment, quality grading, and fiber specification compliance
- **Chemical Processing:** incoming material moisture verification and in-process monitoring for polymer pellets, chemical intermediates, and specialty materials
- **Agricultural Products:** post-harvest moisture analysis of grains, seeds, herbs, and botanical materials for storage management and commodity grading
- **Plastics and Polymer Processing:** pre-drying moisture verification of resin pellets and compounds before extrusion or injection molding
- **Paper and Packaging:** moisture content verification in paper, board, and packaging materials affecting structural performance and print quality
- **Environmental and Industrial Labs:** sample moisture determination before trace analysis, gravimetric procedures, and other tests requiring a known-dry starting mass

TECHNICAL SPECIFICATIONS

Moisture Analyzer Range

Seven ToronMA™ platforms cover halogen, infrared, and textile moisture regain measurement across a wide range of applications, precision levels, and operating environments.

Platform	Heat Source	Moisture Readability	Max Temp	Best For
ToronMA™ A Series	Halogen	0.001%–0.01%	230°C	Pharmaceutical and GLP/GMP lab use; 0.1mg EMF weighing precision on Pro models; optional auto-internal calibration and automatic door
ToronMA™ AH Series	Halogen	0.01%	230°C	Production lines needing split-type design, 210g capacity, or optional 10,000mAh battery and wireless operation
ToronMA™ T Series	Halogen	0.01%	199°C	General 1mg lab moisture testing; 5-inch color touchscreen; optional grinder and aluminum carry box for field use
ToronMA™ H Series	Halogen	0.1% / 0.05% / 0.02% / 0.01%	199°C	Multi-readability applications; four precision tiers on a traditional HD LCD platform without a touchscreen
ToronMA™ IR Series	Infrared	0.01%	160°C	Solid, dense, and surface-crusting samples; penetrating infrared heat where halogen lamps cannot heat uniformly
ToronMA™ R Series	Halogen	0.1% / 0.01% (regain)	199°C	Textile fiber moisture regain for wool, cashmere, cotton, and silk; ø120mm mesh pan; unlimited regain range
ToronMA™ CHa Series	Halogen	0.1% / 0.05% / 0.01%	160°C	Compact 4 kg food and grain QC; adaptive voltage adjustment; three moisture range options (10–90%, 5–95%, 1–100%)

How to Choose the Right Moisture Analyzer

- **For pharmaceutical GMP applications or sub-milligram precision:** choose the A Series Pro or A01 Pro for EMF sensing, GLP/GMP data logging, and auto-internal calibration
- **For production lines requiring flexible placement or battery-powered portable operation:** choose the AH Series for its split-type design, 210g capacity, and wireless plus battery options

- **For 1mg laboratory testing with a touchscreen and optional field accessories:** choose the T Series with optional grinder and aluminum carry box
- **For multiple readability tiers (0.1%, 0.05%, 0.02%, or 0.01%) in a traditional LCD interface:** choose the H Series model whose moisture range matches your specification tolerance
- **For solid, dense, or surface-crusting samples not suited to halogen heating:** choose the IR Series for penetrating infrared heat and a gentler 160°C temperature ceiling
- **For textile moisture regain measurement of wool, cashmere, cotton, silk, or yarn:** choose the R Series for its dedicated regain program, ϕ 120mm mesh platform, and unlimited measurement range
- **For basic food and grain moisture testing in a compact, portable 4 kg instrument:** choose the CHa Series, selecting the model whose moisture range (10-90%, 5-95%, or 1-100%) fits your material



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

