



DIGITAL REFRACTOMETER

Digital Refractometer

A Digital Refractometer is a handheld or desktop Refractometer that measures how light bends through a liquid sample and converts that optical response into a direct numeric result. In the ToronDR™ family, that result can be shown as Brix, refractive index (nD), and application-specific scales such as salinity, specific gravity, chlorinity, honey water, Baumé, wine scales, beer Plato/SG, urine SG, serum protein, coolant/urea/brake fluid, or industrial chemical concentration, depending on the model.

Most ToronDR™ lines are designed to reduce operator interpretation compared with manual optical refractometers, especially for repeated QC checks where fast, consistent readings matter.

ToronDR™ AFalso differs from a single-purpose refractometer because the lineup is organized by use case. That lets buyers choose a model built around their exact workflow, rather than forcing one generic meter to cover everything. The family includes portable handheld systems, rugged field units, and higher-stability desktop models.

Application

Food and beverage teams use ToronDR™ to monitor soluble solids in juices, syrups, concentrates, and ingredient solutions, and to support specialty sugar or beverage interpretation where needed. Honey producers use it to track moisture-related indicators and consistency for harvest, packing, and incoming lots. Wine and brewing operations use it for process checks with wine- and beer-specific scales that align with cellar and brew-house practice.

Marine and brine users apply ToronDR™ salinity models to check sodium chloride brines, seawater salinity, chlorinity, and specific gravity for aquariums, aquaculture, and salt-water process control. Clinics and veterinary practices use ToronDR™ clinical models for urine specific gravity and serum protein screening, with veterinary-oriented options for animal workflows.

Workshops and fleets use ToronDR™ AFutomotive models for coolant, DEF/urea, brake fluid, battery SG, and multi-fluid service checks. Industrial plants use ToronDR™ to verify concentration and refractive index for common process chemicals such as peroxide, salts, solvents, acids, glycols, and oils.

Product Line Up

1. ToronDR™ Brix: Digital Brix platform covering Brix plus refractive index, with specialty models for glycerol and multi-sugar concentration scales. This is the go-to family for general soluble-solids work in food, beverage, and ingredient handling, especially when a digital workflow improves speed and repeatability.
2. ToronDR™ Coffee: Coffee-focused digital refractometer designed for TDS and Brix in one unit to support brew strength and extraction consistency, plus broader beverage development checks.
3. ToronDR™ Salt: Salinity digital refractometer family with two purpose-built models: one for high-range sodium chloride brines and one for seawater salinity and chlorinity with specific gravity and nD support.
4. ToronDR™ H: Honey digital refractometer configured for Brix, water content, Baumé, and refractive index, designed for honey ripeness and moisture-related screening in production and packing work.
5. ToronDR™ WA Series: Wine, beer, alcohol, and specialty solvent lineup covering wine scales (Brix, %Vol, Oe, KMW), brewing scales (Brix + SG or Plato + SG), alcohol-by-volume/weight, methanol-focused options, and nD for cross-checking.
6. ToronDR™ CV Series: Clinical and veterinary screening family for urine specific gravity, serum protein, and nD, with variants for veterinary use cases and colostrum/immunoglobulin-related screening.
7. ToronDR™ AF Series: Automotive service family for coolant freeze protection (EG/PG), urea/DEF, brake fluid, battery SG, IPA, and multi-fluid workshop checks.
8. ToronDR™ I Series: Industrial concentration and verification family for refractive index plus chemical-specific scales, including common industrial solutions (peroxide, CaCl_2 , DMSO, acids, glycols, silicone oil, and more).
9. ToronDR™ P: Portable rugged platform using a sensor-based design for multi-application models across Brix/sugars, salinity, honey, wine/beer, and other field workflows.
10. ToronDR™ DA Series: Desktop digital refractometer platform built for higher stability and easier viewing at the bench, with configurable model options across food, salinity, honey, wine, clinical, and automotive testing.

Why Choose ToronDR™ for Your Digital Refractometer

ToronDR™ gives buyers a structured lineup that matches real workflows. Food labs, honey packers, wineries, clinics, workshops, and industrial plants can select a model designed around the right scales instead of using a generic meter and

converting results manually. This saves time, reduces training burden, and improves day-to-day consistency when multiple operators run tests.

ToronDR™ Also supports both production-floor portability and lab stability. The family includes rugged portable options for field and line-side checks, plus desktop options for bench measurement and easier readout. Many ToronDR™ models pair the application scale with refractive index (nD) for cross-verification, which helps teams confirm results when they troubleshoot process drift.



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