



COFFEE DIGITAL REFRACTOMETER

Coffee Digital Refractometer - ToronDR™ Coffee

A Digital Refractometer for coffee helps measure dissolved solids quickly so operators can evaluate extraction strength with better consistency. Coffee Digital Refractometer - ToronDR™ Coffee is based on the ToronDR™ Coffee platform and is designed for coffee concentration checks with a 0-25% TDS range and a 0-50% Brix range in one portable handheld unit.

This type of Refractometer is suited to coffee brewing, beverage development, and production quality control where a direct digital reading is easier to use than a manual optical scale. The ToronDR™ Coffee is a portable electronic coffee sugar meter and concentration refractometer.

ToronDR™ Coffee is a compact handheld Digital Refractometer built for measuring coffee concentration through TDS and Brix. In coffee workflows, a digital refractometer is commonly used to check brew strength and compare batches more consistently than a visual or subjective approach. Since the instrument provides a direct numerical result, it is practical for baristas, roasters, beverage developers, and QC teams who want fast repeatable readings.

Compared with a general manual Refractometer, this model is positioned for coffee and beverage concentration work. The dual-scale format makes it easier to use in both coffee-specific TDS interpretation and broader soluble-solids reference work through the Brix scale.

APPLICATIONS

Coffee Digital Refractometer - ToronDR™ Coffee Application

- Coffee brewing and extraction control: the main use of this instrument is checking coffee concentration during brewing. TDS readings help users compare brew strength, monitor extraction trends, and reduce variation between batches. This is useful for manual brewing, espresso workflow support, and product development where brew consistency matters.

- Beverage formulation and product development: because the unit also includes a Brix scale, it can support broader beverage work beyond coffee. This helps product developers compare soluble-solids concentration when adjusting sweetened coffee drinks, concentrates, or related beverage formulations.
- Production and quality control: A handheld digital format makes the instrument practical for routine line checks and QC sampling. Operators can use it for fast incoming checks, batch comparison, or process verification where portable concentration measurement is preferred over larger laboratory equipment.



FEATURES

Coffee Digital Refractometer - ToronDR™ Coffee Key Features

- Handheld Digital Refractometer designed for coffee concentration checks.
- Dual measurement capability with 0–25% TDS and 0–50% Brix.
- Portable electronic format for routine brewing and beverage QC use.
- Suitable for coffee strength comparison and broader beverage soluble-solids checks through the Brix scale.
- Compact digital workflow that is easier to read than a manual optical Refractometer in repeated testing environments.

THEORY & METHOD

Theory and Method

A Digital Refractometer measures how light changes as it passes through a liquid sample, then converts that optical response into a digital value. In coffee use, that value is commonly interpreted as TDS, which helps estimate brew strength. The ToronDR™ Coffee model also provides a Brix reading, which broadens its usefulness for beverage concentration work.

The digital format reduces the need for manual scale reading through an eyepiece. That makes the instrument easier to use during repeated brewing or QC work, especially when operators need quick numeric results for comparison and documentation.

TECHNICAL SPECIFICATIONS

Coffee Digital Refractometer - ToronDR™ Coffee Technical Specification

Specification	Coffee Digital Refractometer - ToronDR™ Coffee
Product type	Portable electronic coffee sugar meter / concentration refractometer
Brix range	0-50% Brix
Coffee TDS range	0-25%
Main application	Coffee concentration and beverage soluble-solids measurement
Instrument style	Digital handheld refractometer



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