

Efficient Brix Control for Beverages

Simple, Rugged, and Trustworthy



Smart design

With a vertical design and a sampling funnel, the Easy Bev refractometer simplifies workflows. The throughput is maximized while minimizing sedimentation on the prism when measuring samples such as juices.



Intuitive operation

Instrument set up is simplified, allowing first measurements within minutes: the intuitive app-based user interface minimizes user training and the integrated user guidance prevents operator errors.



Immediate QC results

Routine measurements are simplified and acceptable samples are instantly identified by setting up a range of tolerable limits. The color-coded results allow the user to immediately recognize if a measurement is within limits.



Easy performance verification

SimpleCheck™ sucrose solutions for Brix performance verification ensure reliable results. The SimpleCheck™ embedded workflow guides operators through the instruments' performance verification.



Easy Bev Refractometer

The Easy Bev Refractometer offers everything needed for daily routine applications: fast measurements, intuitive app based user interface, minimal operator dependency and more:

- Fast and reliable temperature control (can be turned off for instant results)
- LongClick™ – press and hold the home screen to start routine analyses in 1 second
- SimpleCheck™ certified standards
- EasyDirect PC software for efficient data management

Technical and Functionalities Specifications

EasyPlus Refractometers		Easy Bev
Refractive Index (nD)	Measuring range	1.32–1.58
	Accuracy	±0.0001
	Repeatability	±0.00005
	Resolution	0.0001
Brix (% w/w)	Measuring range	0–100
	Accuracy	0.05 ¹⁾
	Repeatability	0.05
	Resolution	0.01
Temperature (°C)	Temperature range	15–25 (59–77 °F)
	Resolution	0.01
	Temperature control	Yes ²⁾
Measurement scales	Integrated concentration tables and functions	Refractive index, Brix, Brix compensated 20 °C, Inverted sugar, HFCS 42/55, Oechsle
Number of methods		6
Internal results storage		20 ³⁾
Result export		To USB stick (.csv)
Color-coded results identification		Yes
SimpleCheck™ standards		Yes
Barcode reader connectivity		Yes
On-screen help text		Yes
Languages		English, Chinese, German, Spanish, French, Italian, Portuguese, Russian, Bahasa Indonesia, Korean, Polish, Thai, Turkish
Display		4.3" Capacitive touch screen
Connectivity		3 × USB-A (keyboard, mouse, barcode reader, printer) 1 × USB-B (EasyDirect PC Software)
PC Software		EasyDirect Density and Refractometry PC Software (installation on a single PC, connect up to 3 density meters and/or refractometers)
Minimal sample volume		Approx. 50 mL
Instrument dimensions (W × H × D) (mm)		198 × 382 × 200 (7.7 × 15 × 7.8 inches)
Service		Professional Installation (StarterPac) Professional calibration
Standard compliance		► www.mt.com/dere-norms

¹⁾ Accuracy of 0.07 at approx. 10% Brix and increasing up to 0.04 at approx. 80% Brix

²⁾ Temperature control can be turned off for instant results

³⁾ Unlimited results storage when transferred directly to a USB stick or to EasyDirect PC software

Instruments and Accessories

Material Description	Material Number
EasyPlus Refractometer – Easy Bev	30468674
EasyDirect Density and Refractometry PC Software	30451628
USB transfer cable EasyDirect PC Software	51191926
Printer USB-P25	11124301
Barcode reader	21901297
USB cable for barcode reader	21901309
USB keyboard	51192111
SimpleCheck™ nD Water 1.333 @ 20 °C	30467245

Material Description	Material Number
SimpleCheck™ nD Bromonaphthalene 1.657 @ 20 °C	30467248
SimpleCheck™ nD Dichlorotoluene 1.546 @ 20 °C	30467247
SimpleCheck™ nD Dodecane 1.421 @ 20 °C	30467246
SimpleCheck™ Brix Sucrose/water 10% @ 20 °C	30467238
SimpleCheck™ Brix Sucrose/water 12% @ 20 °C	30467239
SimpleCheck™ Brix Sucrose/water 20% @ 20 °C	30467240
Wall mount kit	30465247
Tubing set Easy Bev	30472921

METTLER TOLEDO Group
Analytical Division
Local contact: www.mt.com/contacts

www.mt.com/EasyPlus-Refractometry

For more information

Subject to technical changes
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