

## 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 <sup>1)</sup>
	Repeatability	0.05
	Resolution	0.01
Temperature (°C)	Temperature range	15–25 (59–77 °F)
	Resolution	0.01
	Temperature control	Yes <sup>2)</sup>
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 <sup>3)</sup>
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. 6 mL
Instrument dimensions (W × H × D) (mm)		215 × 385 × 200 (8.4 × 15.1 × 7.8 inches)
Service		Professional Installation (StarterPac) Professional calibration
Standard compliance		► <a href="http://www.mt.com/dere-norms">www.mt.com/dere-norms</a>

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

<sup>2)</sup> Temperature control can be turned off for instant results

<sup>3)</sup> 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

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For more information

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