



HAND-HELD REFRACTOMETERS

MASTER series

Design Registration No.000379326-0001, 000379326-0002 (EU) ZL 2005 3 0118403.4.5 (China), D111526 (Taiwan)
1255763, 1255764, 1255765, 1255766, 1255767 (Japan) Patent pending in U.S.A. and all other countries around the world.

Wide variety of ATAGO's Hand-Held Refractometers. Pick up the best refractometer depending on the type of sample and its environment.

Hand-held refractometers MASTER qseries

NON A.T.C. model	A.T.C. & Water Resistant (IP65) model	A.T.C. model	A.T.C. & Water Resistant (IP65) (Heat Resistant model)
MASTER-M MASTER-2M MASTER-3M MASTER-4M MASTER-53M MASTER-RI (nD)	MASTER-α MASTER-2α MASTER-3α MASTER-4α MASTER-53α	MASTER-T MASTER-2T MASTER-3T MASTER-4T MASTER-53T	MASTER-50H MASTER-80H MASTER-93H MASTER-100H

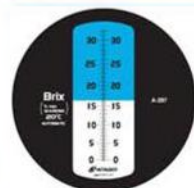
MASTER SERIES REFRACTOMETER (WATER RESISTANT & A.T.C.)

MASTER-α Cat.No. 2311

NEW

This new type of Hand-Held refractometer is the first to be equipped with Automatic Temperature Compensation and Water Resistant (IP65) at the same time. While featuring functions such as Easy-to-Read, Easy-to-Hold, Smooth sampling, Easy disposal of sample from the edge, the improvement of hygiene aspect by employing the new type of grip, and well balanced structure, emphasis is also placed on its design, well exemplified by the streamlined body and the strong grip with rich texture.

Scale range	: Brix 0.0 to 33.0% (Automatic Temperature Compensation)
Minimum scale	: 0.2%
Accuracy	: $\pm 0.2\%$ (10 to 30°C)
Repeatability	: Brix $\pm 0.1\%$
International protection class	: IP65 (except eye piece)
Size and weight	: 3.3×3.3×20.4cm, 160g



MASTER SERIES REFRACTOMETER (WATER RESISTANT & A.T.C.)

MASTER-2α Cat.No. 2321

NEW

MASTER-2α is mid-range measurement range Brix 28.0 to 62.0% model of the MASTER-α. It is convenient for measuring a variety of sauces, soy sauce, seasoning in liquid form as well as for low-sugar jams and spreads. It is an Automatic Temperature Compensation (A.T.C.) model with water resistant properties (IP65).

Scale range	: Brix 28.0 to 62.0% (Automatic Temperature Compensation)
Minimum scale	: 0.2%
Accuracy	: $\pm 0.2\%$ (10 to 30°C)
Repeatability	: Brix $\pm 0.1\%$
International protection class	: IP65 (except eye piece)
Size and weight	: 3.3×3.3×20.4cm, 160g



MASTER SERIES REFRACTOMETER (A.T.C.)

MASTER-T Cat.No. 2312

NEW

This is the successor model to the conventional ATC-1E. Automatic Temperature Compensation feature only. The Master-T is a good alternative choice when the water resistant feature is not a priority.

Scale range	: Brix 0.0 to 33.0% (Automatic Temperature Compensation)
Minimum scale	: 0.2%
Accuracy	: $\pm 0.2\%$ (10 to 30°C)
Repeatability	: Brix $\pm 0.1\%$
Size and weight	: 3.3×3.3×20.4cm, 160g



MASTER SERIES REFRACTOMETER (A.T.C.)

MASTER-2T Cat.No. 2322

NEW

MASTER-2T is mid-range model of the MASTER-T. Automatic Temperature Compensation feature only. The Master-T is a good alternative choice when the water resistant feature is not a priority.

Scale range	: Brix 28.0 to 62.0% (Automatic Temperature Compensation)
Minimum scale	: 0.2%
Accuracy	: $\pm 0.2\%$ (10 to 30°C)
Repeatability	: Brix $\pm 0.1\%$
Size and weight	: 3.3×3.3×20.4cm, 160g



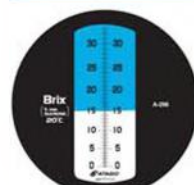
MASTER SERIES REFRACTOMETER

MASTER-M Cat.No. 2313

NEW

This is the successor model to the conventional N-1α. The Master-M is a good alternative choice when the water resistant feature is not a priority and the Temperature Compensation will be carried out manually. Not equipped with the Automatic Temperature Compensation feature.

Scale range	: Brix 0.0 to 33.0%
Minimum Scale	: 0.2%
Size and weight	: 3.3×3.3×20.4cm, 160g



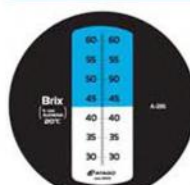
MASTER SERIES REFRACTOMETER

MASTER-2M Cat.No. 2323

NEW

MASTER-2M is mid-range measurement range Brix 28.0 to 62.0% model of the MASTER-M. The Master-M is a good alternative choice when the water resistant feature is not a priority and the Temperature Compensation will be carried out manually.

Scale range	: Brix 28.0 to 62.0%
Minimum Scale	: 0.2%
Size and weight	: 3.3×3.3×20.4cm, 160g



MASTER SERIES REFRACTOMETER (Water Resistant & A.T.C.)

MASTER-3 α Cat.No.2331 MASTER-4 α Cat.No.2341

NEW

MASTER-3 α , MASTER-4 α are high-range model of the MASTER- α . The MASTER-3 α , MASTER-4 α are suited for use with food products of high sugar content such as malt, honey, jam, marmalade, etc

Scale range	:MASTER-3 α Brix 58.0% to 90.0% MASTER-4 α Brix 45.0% to 82.0%
Minimum scale	:Brix0.2%
Accuracy	:Brix \pm 0.2% (10 to 40°C)
Repeatability	:Brix \pm 0.1%
Size and weight	:3.3X3.3X16.8cm,120g



MASTER SERIES REFRACTOMETER (A.T.C.)

MASTER-3T Cat.No.2332 MASTER-4T Cat.No.2342

NEW

MASTER-3T, MASTER-4T are high-range model of the MASTER-T. Automatic Temperature Compensation feature only. MASTER-3T, MASTER-4T are a good alternative choice when the water resistant feature is not a priority.

Scale range	:MASTER-3T Brix 58.0% to 90.0% MASTER-4T Brix 45.0% to 82.0%
Minimum scale	:Brix0.2%
Accuracy	:Brix \pm 0.2% (10 to 40°C)
Repeatability	:Brix \pm 0.1%
Size and weight	:3.3X3.3X16.8cm,120g



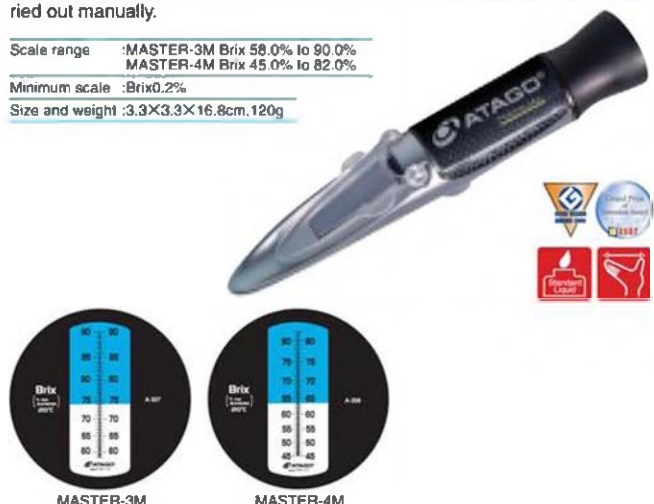
MASTER SERIES REFRACTOMETER

MASTER-3M Cat.No.2333 MASTER-4M Cat.No.2343

NEW

MASTER-3M, MASTER-4M are high-range model of the MASTER-M. MASTER-3M, MASTER-4M are a good alternative choice when the water resistant feature is not a priority and the Temperature Compensation will be carried out manually.

Scale range	:MASTER-3M Brix 58.0% to 90.0% MASTER-4M Brix 45.0% to 82.0%
Minimum scale	:Brix0.2%
Size and weight	:3.3X3.3X16.8cm,120g



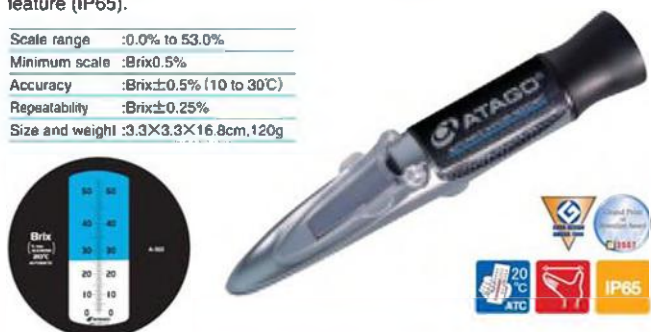
MASTER SERIES REFRACTOMETER (Water Resistant & A.T.C.)

MASTER-53 α Cat.No. 2351

NEW

MASTER-53 α is wide range model of the MASTER- α . MASTER-53 α is capable of measuring not only various kinds of juice, coffee, and other beverages but also processed food such as sauce, ketchup, low calorie jam, etc. It is an Automatic Temperature Compensation (A.T.C.) model with water resistant feature (IP65).

Scale range	:0.0% to 53.0%
Minimum scale	:Brix0.5%
Accuracy	:Brix \pm 0.5% (10 to 30°C)
Repeatability	:Brix \pm 0.25%
Size and weight	:3.3X3.3X16.8cm,120g



MASTER SERIES REFRACTOMETER (A.T.C.)

MASTER-53T Cat.No.2352

NEW

MASTER-53T is wide range model of the MASTER-T. MASTER-53T is capable of measuring not only various kinds of juice, coffee, and other beverages but also processed food such as sauce, ketchup, low calorie jam, etc. It is an Automatic Temperature Compensation (A.T.C.) model. The Master-53T is a good alternative choice when the water resistant feature is not a priority.

Scale range	:MASTER-53T Brix0.0% to 53.0%
Minimum scale	:Brix0.5%
Accuracy	:Brix \pm 0.5% (10 to 30°C)
Repeatability	:Brix \pm 0.25%
Size and weight	:3.3X3.3X16.8cm,120g



MASTER SERIES REFRACTOMETER

MASTER-53M Cat.No.2353

NEW

MASTER-53M is wide range model of the MASTER-M. The MASTER-53M is a good alternative choice when the water resistant feature is not a priority and the Temperature Compensation will be carried out manually.

Scale range	:Brix0.0% to 53.0%
Minimum scale	:Brix0.5%
Size and weight	:3.3X3.3X16.8cm,120g



MASTER SERIES REFRACTOMETER

MASTER-RI Cat.No.2612

NEW

MASTER-RI is refractive-index model of the MASTER-Series. MASTER-RI can be used for measuring the refractive index of vegetable oil, petroleum, oil slicks, etc.

Scale range	:Refractive index 1.435 to 1.520
Minimum scale	:Refractive index 0.001
Size and weight	:3.3X3.3X16.8cm,120g

