

Reasons to choose the MASTER

1 Water Resistant



The concept of a washable hand-held analog unit is exceptional. After measuring, the instrument can be cleaned with running water under a faucet. The new structural-design of these units allows them to be washed whenever necessary. Rated IP65 (dust tight and water resistant).

α-H-53S-500



Water Resistant



The world's first feature

5 Durability



The MASTER series has passed all water resistance, dust resistance, and drop tests. Instruments were subjected to water jets from four directions, dropped from a height of one meter onto an oak platform, and withstood the pressure changes of air travel.

6 Calibration



The α and H types can now be calibrated with the new waterproof calibration screw. All MASTER models can be calibrated by end-user.

7 Automatic Sample Distribution (ASD)



ATAGO has developed a spoon-shaped tip that automatically spreads the sample across the prism. This makes the instrument even more user-friendly, saving valuable time.

2 Hygienic Design



The MASTER series was also designed with a smooth and easy-to-clean grip, eliminating the possibility of food and samples being trapped which can result in contamination and bacterial growth.

3 Visibility



Efficiently using an analog unit depends on how easily the measured value can be read. Extensive research and the use of quality optics result in a measurement scale that is very bright, creating a high contrast to see clearly where the boundary intersects the memory lines of the scale.

4 Automatic Temperature Compensation (ATC) α-T-H-53S



The newly designed ATC system allows the MASTER series to read more accurately than any comparable unit. ATAGO has applied for a patent on the design of the improved ATC system. The MASTER series reads more accurately than any comparable unit in the market.

8 Repair and Service



ATAGO has established a close network of customers by providing excellent customer service and support. When an ATAGO instrument needs servicing, not only is each customer treated with respect, but they are also provided with detailed methods and user-specific suggestions on sampling and taking measurements, based on individual needs.

9 Reputation for Quality



ATAGO has built a firm reputation for reliability and quality during its over 70 years history. We are a strong company that exports to over 154 countries with continued growth expectations. ISO 9001 certified, along with our integrated system for producing and marketing our products, based on the "Plan-Do-Check-Act" cycle, is essential to the continued quality and to the promoting of the ATAGO name.

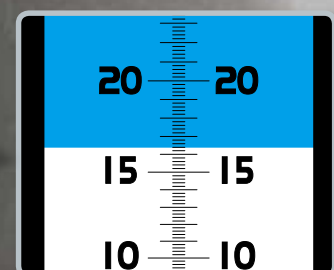
Simple Operation



1 Apply 1-2 drops onto the prism.



2 Close the daylight plate. View the scale through the eyepiece.



3 Read the measurement value where the boundary line intersects the scale.

Applications

-Measuring sugar concentration, concentration, Brix and Refractive Index-

Honey



Honey

Jam, Syrup



Jam, syrup, confectioneries

Soy milk



Soy milk

Condiments



Condiment, seasonings, ketchup, various sauces, soy sauce

Wine



Grapes, wine must

Drink



Fruit juice, soft drink, carbonated beverage

Cooking



Chinese noodle soup, various soup, various sauces

Agriculture



Fruit and vegetable juice, leaf juice, stem juice, root juice

Salinity



Sodium chloride solution, sea water, pickles

Machine Tools



Firefighting foam, soluble cutting oil

Chemicals and medicine



Brine, deicing solution, medicine, chemical, cosmetics, cleaning solution

Clinical



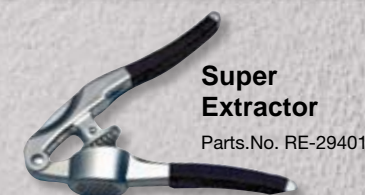
Urine, serum

Optional Accessories



Daylight Plate
For metal body model
Parts.No. RE-2315-60M
For plastic body model
Parts.No. RE-2315-61M

Small Volume Daylight Plate With Hinge Pin
For metal body model
Parts.No. RE-2311-58M
For plastic body model
Parts.No. RE-2391-50M



Super Extractor
Parts.No. RE-29401



Sucrose solution (for Brix confirmation)
Parts.No. RE-110010 10% Sucrose
Parts.No. RE-110020 20% Sucrose
Parts.No. RE-110030 30% Sucrose
Parts.No. RE-110040 40% Sucrose
Parts.No. RE-110050 50% Sucrose
Parts.No. RE-110060 60% Sucrose

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HACCP GMP GLP
ATAGO products comply with HACCP, GMP, and GLP system standards.

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ATAGO
MASTER of REFRACTOMETRY



The Ultimate Hand-Held Refractometer Unsurpassed
in Function, Operation, and Design

MASTER



Design Registration No.000379326-0001, 000379326-0002 (EU)
ZL 2005 3 0116403.4.S (China), D111526 (Taiwan), D555, 549 (U.S.A.),
1255763, 1255764, 1255765, 1255766, 1255767 (Japan)
Patent Granted in countries around the world.

About the Trade Mark:
Year 2005-ATAGO was established 65 years ago and we have been developing, manufacturing, and marketing Refractometers based on our in-depth study of optics. This year we have released our NEW Hand-Held Refractometer series, the "MASTER" to support and meet our customer's needs. The NEW "MASTER" series is a fitting name to match its ultimate performance. The trade mark "光" is the Japanese Kanji which means "Light". The decision to use this Kanji as a trade mark for the MASTER series is to emphasize that this product was designed and manufactured in Japan. With the multitude of imitation products out in the market today, ATAGO is maintaining our identity as the master of manufacturing quality instruments. We, ATAGO, would like to be your business partner and to be the "light" to continue towards a bright future together.



Hand-held Refractometer

