

## Reasons to choose the MASTER Series



### Introduction

The name "MASTER" says it all. The MASTER series integrates 72 years of manufacturing expertise into these state-of-the-art instruments. The researchers at ATAGO have addressed the requests of users in 154 countries around the world, and the MASTER series is the embodiment of this extensive research and development. The MASTER series rates 100% in fulfilling both user expectation and illustrating ATAGO's researchers' desire to design the best hand-held refractometer possible.

### 1. Water Resistant

The concept of a washable hand-held analog unit is exceptional. After measuring, you can clean it with running water under a faucet. The new structural-design of these units allows them to be washed whenever necessary. The MASTER Series is the epitome of user friendliness.

### 2. Visibility

Efficiently using an analog unit depends on how easily the measured value can be read. With extensive research and the utilization of quality optics, the result is a view of the measurement scale that is very bright, creating a high contrast to see clearly where the boundary intersects the memory lines of the scale. The scale numbers are also large and easy to read. Imitation instruments produced in China cannot compare to the durability, quality or accuracy of ATAGO instruments. Maintaining high standards of quality and attention to detail is the difference which is as clear as the scale of the MASTER units.

### 3. Contamination Free

The MASTER Series was also designed with a smooth and easy-to-clean grip, eliminating the possibility of food and other samples being trapped which can result in contamination and bacterial growth. The steel and carbon-fiber design is both functional and stylish.

### 4. Automatic Temperature Compensation

The Automatic Temperature Compensation (ATC) system was also reviewed and improved. This new system allows the MASTER series to have improved accuracy that out performs similar units. While developing the MASTER series, there were many discussions, data gathering of countless tests, and repeated setbacks that our development team had to – and did – overcome. Through this process, ATAGO has applied for a patent on the design of the improved ATC system. Ultimately, the MASTER series reads more accurately than any comparable unit in the market.

## 5. Endurance

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. The only replacement part for the MASTER series is the daylight plate and the instruments do not utilize consumable parts or materials, thus keeping the cost for replacement parts to a minimum.

## 6. Automatic Sample Distribution (ASD)

People who frequently use refractometers have noticed that the daylight plate can get in the way when placing a sample on the prism. To address this problem, ATAGO has developed a spoon-shaped tip, which makes applying the sample easy, and helps to spread the sample across the prism on its own. This makes the instrument even more user-friendly. (Patent Granted)

## 7. Repair and Service

ATAGO has established a close network of customers by providing excellent customer service 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. ATAGO has refined our user-friendly approach not only to improve our instruments, but to also support our valued customers. ATAGO has many excellent Authorized Service Centers worldwide.

## 8. Reputation for Quality

ATAGO has built a firm reputation for reliability and quality during its 72-year history. We are a strong company that exports to over 154 countries with continued growth expectations. We have received ISO certification, and our integrated system for producing and marketing our products, based on the "Plan-Do-Check-Act" cycle, is essential in promoting the ATAGO name. ATAGO has been awarded "AAA", the highest rank offered by Standard & Poor's Japan SME Grading for 2 consecutive years.

We at ATAGO are confident that the MASTER series will surpass your expectations.



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