

CooRe
CO₂ Brix Monitor



The All-in-One, Strain Free Solution

Automatic CO₂ Concentration Meters

Simultaneously measure CO₂ concentration and Brix.



Origin of the CooRe Name

CooRe = CO₂ (gas volume) + Refractometer (Brix meter)

Simultaneously measure CO₂ concentration and Brix.

The "CooRe" name originates from the product being a simultaneous Brix and CO₂ meter. "Coo" represents "CO₂", from the CO₂ meter, and the "Re" is taken from the first two letters of "Refractometer". By giving you two measurement results at once, the CooRe effectively halves your work and increases the efficiency of quality control. By combining ATAGO's long refined technological knowledge of refractometers with a CO₂ meter, a new product type has been born.

60°

Click!

Comfortable Operation

We calculated the angle that would require the least amount of force so you don't need to work hard to set up your bottles.

Never get you or your surrounds covered in expelled fluids thanks to the instruments handy cover.



Comfortable Operation

① Easy Piercing

Simply and easily pierce the containers. CooRe is capable of piercing cans or glass bottles without issue. No excessive strength: anyone can set up the container smoothly.

② No Leakage When Finished

Due to the high-pressure of the gas, traditional CO₂ meters can leak or even spurt liquid when the container is removed. The CooRe comes with a cover for the container area to protect operators (and their clothes) from spills and spurts during removal. CooRe is about peace of mind.

Accurate measurements

at the push of a button!

Automatic readings
mean you get the same
values no matter who
does the readings.

No need for annoying
calculations after taking
your measurements.



Accurate measurements at the push of a button!

① Automatic readings mean you get the same values no matter who does the readings.

When using manual dissolved CO₂ meters, the method of shaking can vary depending on who is operating the device, which will affect measurements. This can create inconsistencies between readings taken by different people, but these concerns have been completely eliminated with the CooRe.

② No need for annoying calculations after taking your measurements

■ User Scale Feature: Don't let your previous efforts go to waste

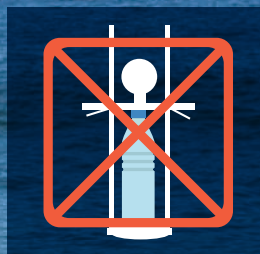
Customers already using manual CO₂ Meters need not worry about losing all of their hard-earned data when switching to the CooRe system. Simply by using the User Scale function, you can program a correlation curve between your existing measurements and the CooRe's readings. Simply enter your coefficient and the instrument will make all the necessary calculations so there is no need to worry about data loss when you make the switch. Once your settings are done, the unit can now use these as a basis to check CO₂ concentration in lots.

With the manual units, operators are required to make the necessary calculations themselves, but by using this function, the CooRe can handle all the mental "heavy lifting" for you.

Free yourself from physical strain

with push button operation!

Simply set your container on the
CooRe and push a button.
No more strenuous manual shaking.



Free yourself from physical strain with push button operation!

Liberation from Physical Strain

One of the advantages of the manual shaking CO₂ meters is that they are portable, but they do require users to physically shake the unit for a period of time in order to get a reading. That is a big difference between these older style instruments and the CooRe.

The manual shaking instruments typically require a container filled with between 500mL to 2L to be forcefully shook. Depending on the unit and sample, the combined weight being shaken can exceed 4.5lbs (2kg), which places undue strain on operators over a period of time. This can potentially lead to physical injury or accidents caused by the unit slipping during the shaking process.

Bridging the gap between production lines and quality control

Measure any where, any time



Choose Your Power Source: AC Adaptor or Lithium-Ion Battery



AC Adaptor

Lithium- Ion
Battery

Portable

Dimensions:
H 400mm X W 450mm X D 220mm

Weight:
Approx. 26lbs/12kg (Approx. half of standard units)

No more liquid
in-take or
discharge cylinders

Bridging the gap between production lines and quality control

① Portable

Existing CO₂ Meters can weigh as much as 66lbs (30kg) or come in complex modular systems making them difficult to move when necessary. Operators are thus forced to carry their samples from production line all the way to the lab for testing. It can be the stuff of nightmares for quality control personnel - noticing an issue but being stuck in the lab while sub-standard product gets pushed out without being able to easily respond to the situation.

The portability of CooRe, on the other hand, completely eliminates those fears. See below for CooRe's dimensions and weight.

CooRe is approximately 26lbs (12kg), less than half of the standard units who can weigh in at 66lbs (30kg). It is an easy weight to move when needed.

This unit has the measuring and piercing sections all in one unit and comes with a handle. It is easy enough to carry it in one hand, leaving your other hand free.

② No more liquid in-take or discharge cylinders

Other automatic gas volume meters require the attachment of liquid in-take or discharge gas cylinders that can weigh up to 10kg (making the full weight of these units approx. 40kg). The CooRe's gas cylinder is internal so there is no need for operators to attach or detach the cylinders themselves. CooRe's goal is to create a simple way for measurements to be taken.

③ Choose Your Power Source: AC Adaptor or Lithium-Ion Battery

Choose whether the CooRe is connected to AC power or uses the lithium-ion battery. Now you can measure on the go without worrying about staying close to an outlet. The battery is rechargeable as well, so there's no on-going costs for replacement batteries.



**Measure In
Just 1 Minute**



**Measurements require
just 100mL of sample**



Measurements can be taken with any container about the size of a standard carbonated drink bottle. Steel or aluminum cans and glass bottles are also no problem for the CooRe.

Measure In Just 1 Minute

/Measurements require just 100mL of sample

CooRe was developed to be exceptionally user friendly.

① Short Measuring Time

Just one minute to get results. Even including setting up your container, one measurement should not take longer than 1.5 minutes.

③ 100mL of Sample

The CooRe only requires a small sample of 100mL to take measurements. Can measure any container of a standard size for carbonated drinks.

We work hard to keep your costs down

Beverage makers are sure to appreciate the benefits
of our pricing.



We work hard to keep your costs down

So far, you've heard all about the benefits that the CooRe provides, but there is one more important one we have to mention. No matter how convenient an instrument is, for users the price still has to be right. The cost of other automatic CO₂ meters on the market today ranges from upwards of \$50,000 for expensive models to around \$15,000 for less expensive models. The CooRe, on the other hand, costs just \$8,500 - under \$10,000.

That's right - you can have all the convenience of a portable CO₂ meter, minus the shaking, plus the benefit of simultaneous Brix and the user scale feature for under \$10,000. Beverage makers are sure to appreciate the benefit that price brings.

MADE IN JAPAN

Culmination of over 70 years experience as a refractometer manufacturer.

With authorized service centers all over the world, ATAGO can respond to any inquiries or issues. An experienced ATAGO technician will quickly respond to all of your questions. We also handle any repairs that may arise. Our on-going commitment to after-purchase customer service is one of our greatest strengths.

Proudly Made In Japan

① Culmination of over 70 years experience as a refractometer manufacturer.

The CooRe is proudly made in Japan. ATAGO takes full advantage of the expert techniques that have been cultivated for over 70 years in the refractometer business.

Our quality control department thoroughly checks the paint and the mounted parts as well as for any missing screws/labels, scratches on the prism surface, and dirt on each unit we produce. They also inspect for accurate measurement operation and proper lighting, display, and output.

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