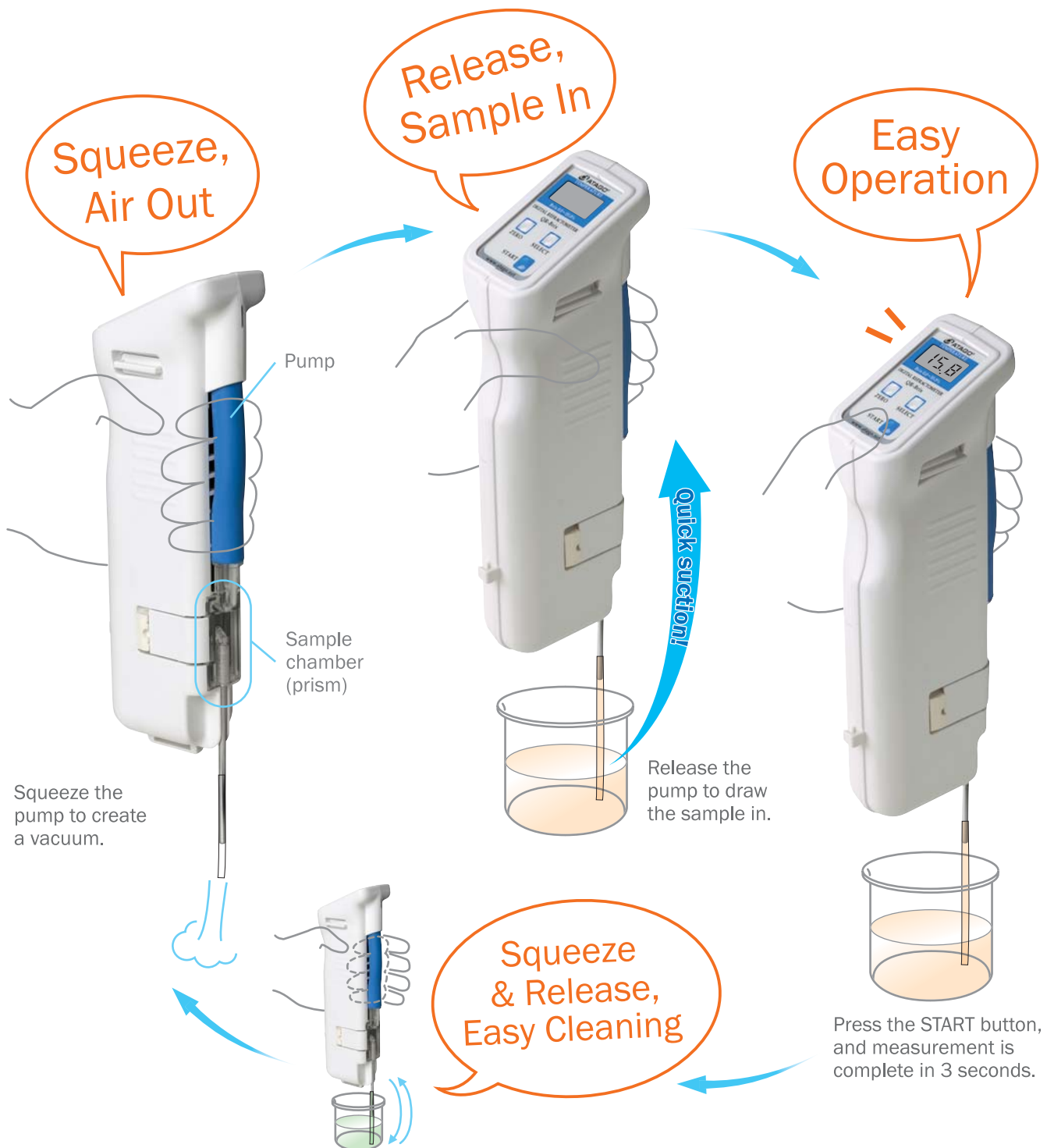


## Digital Suction-Type Refractometer

# QR-Brix

 Cat.No.3353

**Single-handed operation from measurement to cleaning, without touching any liquid!**

No more cumbersome cleaning. Lightweight, compact, and battery-operated for maximum portability. Ideal for hazardous or volatile sample measurements.

## Recommended uses

### Food and beverage applications

- Soft drinks
- Salt water and condiments
- Brines and soups

### Industrial applications

- Chemical solutions
- Metal-working fluids
- Coolants
- Battery fluids

Custom scales are available upon request.

Example :

- Saline concentration (specific gravity or degrees Baume)
- Sodium hydroxide concentration
- Ethylene glycol concentration and freeze point

## Non-recommended uses

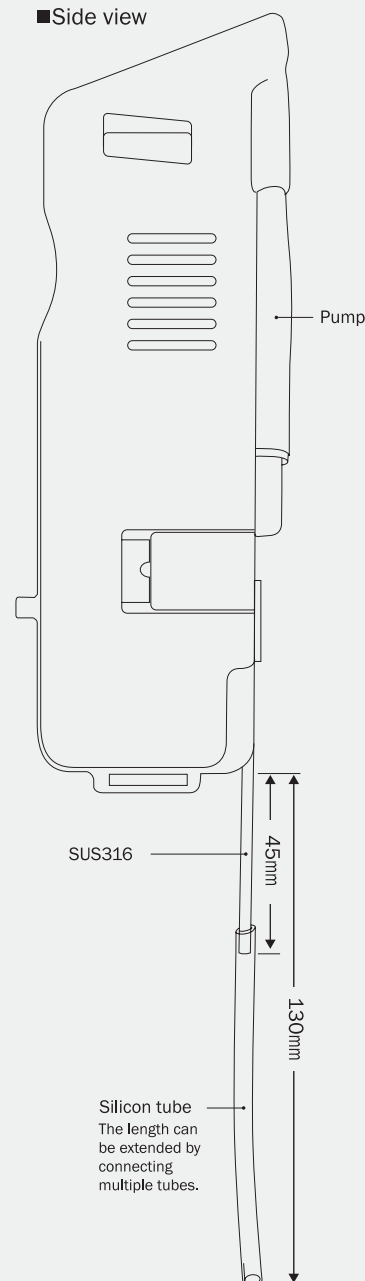
- ① High refractive index samples, such as organic solvents, hydrocarbons, and petroleum.
- ② Samples that are viscous, oily / fatty, murky, or high in undissolved solid content.

※ Capable of measuring liquids with a viscosity of up to 210 centipoise (cP), which equals to a 67% Brix sucrose solution at 20°C.

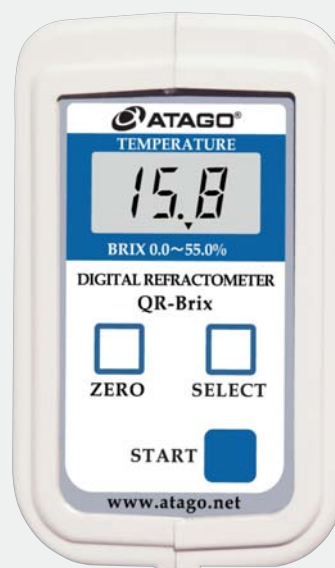
## Displayed value

This instrument measures the refractive index of a liquid and displays the converted value in "Brix," which is a percentage measurement of sugar in water. The concentration of a substance other than sugar can be calculated by creating a conversion table of the desired concentration % and corresponding Brix %. Contact ATAGO for further details.

■Side view



■Face panel



<Actual size>

QR-Brix		Cat. No. 3353
Measurement range	Brix 0.0 to 55.0%; temperature 5 to 40°C	
Resolution	Brix 0.1%; temperature 0.1°C	
Accuracy	Brix $\pm 0.2\%$ (with sucrose solution); temperature $\pm 1^\circ\text{C}$	
Sample temperature range	5 to 40°C (Automatic Temperature Compensation)	
Ambient temperature range	5 to 40°C	
Measurement time	Approximately 3 seconds	
Sample volume	At least 2 ml	
Power supply	006P battery (9V)	
Materials	Main body and detection section: ABS resin Sample chamber cover: AS resin	
International Protection class	IP64	
Dimensions and weight	70 × 40 × 210 mm (excluding nozzle), 300 g The maximum possible length of nozzle: 130 mm	
Accessories included	One 95 mm stainless pipe, one 95 mm silicon tube	