

Pocket Digital Alcohol Checker

ATAGO®

Made in
Japan
ATAGO Quality



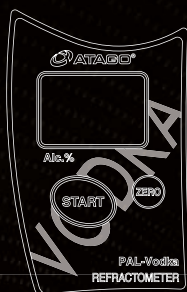
PAL-Whiskey
Cat.No. 4540

Reliable!
Accuracy $\pm 1.0\%$

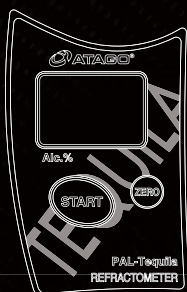
Fast!
Only 3 seconds

Small amount!
Just 0.3ml

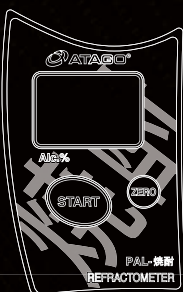
Light!
Only 100g



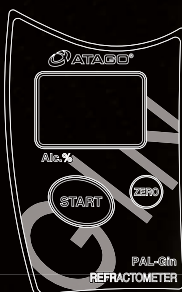
PAL-Vodka
Cat.No. 4541



PAL-Tequila
Cat.No. 4542



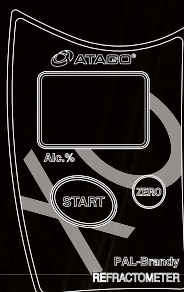
(Shōchū)
PAL-焼酎
Cat.No. 4543



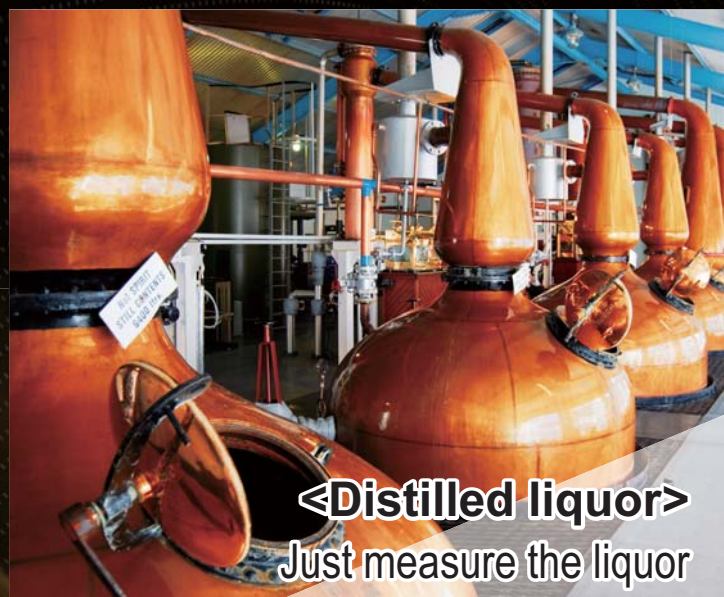
PAL-Gin
Cat.No. 4544



PAL-Rum
Cat.No. 4545



PAL-Brandy
Cat.No. 4546



<Distilled liquor>
Just measure the liquor



<Brewed beverage>
Distill the beverage before measuring

Why can a refractometer
measure the alcohol content
of beverages?

A refractometer is a device that measures the total concentration of liquids using the refraction of light. As distilled beverages consist mainly of alcohol and water, the concentration of alcohol can be measured by a refractometer. Brewed beverages contain also sugar. Measuring them without distilling will give an inaccurate reading, as the value of sugar will be added to that of alcohol. Please distill brewed beverages before measuring.

Measurement Method



Apply 2-3 drops on the
Prism surface.

Press the START key.

Measurement value
and prism temperature
are displayed in 3
seconds!

Common Specifications

	Ethyl alcohol		
Measurement range	0.0 to 53.0%(ml/100ml) 5.0 to 30.0°C	Sample volume	At least 0.3ml
Resolution	0.5% / 0.1°C	Measurement time	Approx. 3 seconds
Accuracy	$\pm 1.0\%$ / $\pm 1^\circ\text{C}$	Power supply	Two (2) AAA alkaline batteries
Automatic temperature compensation range	5 to 30°C	Battery life	Approx. 11,000 (when using alkaline batteries)
Ambient temperature range	10 to 35°C	International Protection class	IP65
		Dimensions and weight	55(W)×31(D)×109(H)mm, 100g (main unit only)

All ATAGO refractometers are designed and manufactured in Japan.

HACCP GMP GLP

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



ISO9001