

# Pocket Digital Alcohol Checker

Made in Japan  
ATAGO Quality



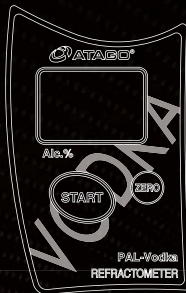
**PAL-Whiskey**  
Cat.No. 4540

Reliable!  
Accuracy  $\pm 1.0\%$

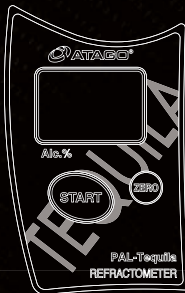
Fast!  
Only 3 seconds

Small amount!  
Just 0.3ml

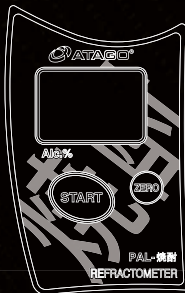
Light!  
Only 100g



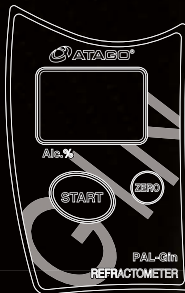
**PAL-Vodka**  
Cat.No. 4541



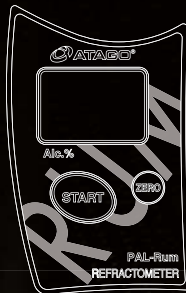
**PAL-Tequila**  
Cat.No. 4542



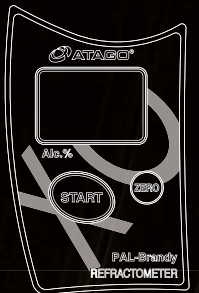
(Shōchū)  
**PAL-焼酎**  
Cat.No. 4543



**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

Measurement range	Ethyl alcohol 0.0 to 53.0%(ml/100ml) 5.0 to 30.0°C	Sample volume	At least 0.3ml
Resolution	0.1% / 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.

ATAGO CO., LTD.

the Laboratory Store



ISO9001 H2 & Factory

\* Specifications and appearance are subject to change without notice.

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