

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

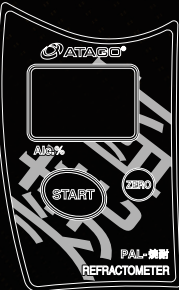
Light!
Only 100g



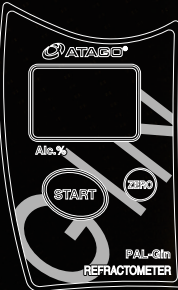
PAL-Vodka
Cat.No. 4541



PAL-Tequila
Cat.No. 4542



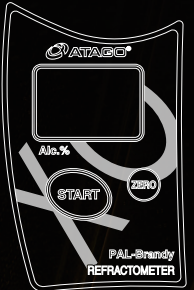
(Shōchū)
PAL-焼酎
Cat.No. 4543



PAL-Gin
Cat.No. 4544



PAL-Rum
Cat.No. 4545



PAL-Brandy
Cat.No. 4546



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.

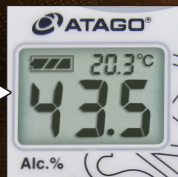
Measurement Method



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)	Sample volume	At least 0.3ml
		5.0 to 30.0°C	Measurement time	Approx. 3 seconds
Resolution	0.5% / 0.1°C	Power supply	Two (2) AAA alkaline batteries	
Accuracy	$\pm 1.0\%$ / $\pm 1^\circ\text{C}$	Battery life	Approx. 11,000 (when using alkaline batteries)	
Automatic temperature compensation range	5 to 30°C	International Protection class	IP65	
Ambient temperature range	10 to 35°C	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.



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* Specifications and appearance are subject to change without notice.

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