

## Digital Hand-held "Pocket"

# Honey Refractometer

**PAL-22S** Cat.No.4422

**ATAGO®**



The easiest,  
most objective way to  
check **honey** moisture

### Purpose of Use



- To check the quality of outgoing products
- To check the grades of incoming products

### How to Measure



1 Place the sample onto the prism surface.



2 Press the START key.



3 The measurement value will be displayed in 3 seconds.

### Accessories

- PAL-case  
Clipped to your belt



- PAL-strap



**Convenient!**

### Reason to choose PAL-22S



Digital display  
-no more boundary line



Calibration with water only  
-no more calibration liquids



Rinse under running water



Measurement time, only 3 seconds!



Measure indoors & outdoors



Temperature display



### Specification

Measurement Range	Honey Moisture 12.0 to 30.0%, Temperature 10.0 to 40.0°C
Resolution	Honey Moisture 0.1%, Temperature 0.1°C
Measurement Accuracy	Honey Moisture $\pm 0.2\%$ , Temperature $\pm 1^\circ\text{C}$
Measurement Temperature	10 to 40°C (ATC*)
Ambient Temperature	10 to 40°C (ATC*)
Sample Volume	0.3ml or more
Measurement Time	3 seconds
Power Supply	2 alkaline batteries
Battery Life	Approx. 11,000 measurements (Using a new alkaline battery)
International Protection Class	IP65 Water Resistant
Dimensions and Weight	55 (W) $\times$ 31 (D) $\times$ 109 (H)mm, 100g (Main unit only)

\*ATC : Automatic Temperature Compensation

## Honey refractometer MASTER-HONEY

Cat.No.2524

The honey refractometer is specially designed to determine the percentage of water contained in honey by means of the refractive index.



- Automatic Temperature Compensation (ATC)
- International Protection Class : IP65 (Except eyepiece)

Measurement Range	Honey Moisture 12.0 to 30.0%
Minimum scale	0.2% (water content in honey)
Accuracy	$\pm 0.2\%$ (10 to 40°C)
Repeatability	$\pm 0.1\%$
Dimensions and Weight	3.2 $\times$ 3.4 $\times$ 16.8cm, 90g

All ATAGO refractometers are designed and manufactured in Japan.



HACCP

GMP

GLP



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