



## Pocket Acidity Meter

# PAL-ACID1

Cat.No.4651

The PAL-ACID1 measures the total acidity in sample and converts it into citric acid concentration.

### How to Measure

Pipette 0.1ml (100µl) of the sample and dispense it into the quinone reagent solution.

Fill the sample stage with the solution, put the metal anti-volatile cover on, and then press the START key.

The acid content is displayed in grams per liter.

### Pocket Acidity Meter PAL-ACID1 Test Kit



The kit comes complete with 10 bottles of quinone reagent solutions (5ml each), a micropipette, 10 micropipette tips, 10 disposable plastic pipettes, 1 bottle of calibration solution, an anti-volatile cover, and 2 AAA batteries.

### Consumable Supplies

- Micropipette **RE-79401**
- Calibration solution **RE-130002**
- Quinone reagent solution **RE-99432** 10 pcs
- Quinone reagent solution **RE-99430** 20 pcs
- Quinone reagent solution **RE-99431** 50 pcs

One pipette tip per bottle is included.

### Commonly Measured Samples

	(g/l)
Grapefruit	12.8
Pineapple	7.3
Mandarin orange	6.7
Navel orange	6.7
Apple	2.5
Green apple	2.2
Apricot	1.8
Tomato	3.0~3.9
Canned tomatoes	4.4
Kiwi	14.6
Peach	4.3
Plum	11.7
Mango	6.2
Orange juice	7.7~13.6
Grapefruit juice	8.6
Blood orange juice	13.6
Apple juice	2.8
Tomato juice	3.3~4.7
Vegetable juice	4.1
Lactic acid drinks	4.1
Ketchup	20.0
Mayonnaise	11.6
Vinegar	55.6

PAL-ACID1 Test Kit		Cat.No.4651
Measurement Range	Citric acid concentration (total-citrus acidity conversion [g/l]) 1.0 to 40.0 (g/l)	
Repeatability	1.0 to 20.0 (g/l) ±0.5 (g/l) 20.1 to 40.0 (g/l) ±1.0 (g/l)	
Measurement Temperature	10 to 40°C (Automatic Temperature Compensation )	
Standard Accessories	• Micropipette : RE-79401 • Calibration solution : RE-130002 • Quinone reagent solution 10 pcs :RE-99432	
Power Supply	2 × AAA batteries	
Minimum Indication	0.1 (g/l)	
Ambient Temperature	10 to 40°C	
Dimensions & Weight	55(W)×31(D)×109(H)mm, 100g (Main Unit only)	

**Video manual available!**  
For more details, visit us at [www.atago.net/manual](http://www.atago.net/manual)

All ATAGO refractometers are designed and manufactured in Japan.

**HACCP GMP GLP**

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