



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 **10 pcs**
RE-99432
- Quinone reagent solution **20 pcs**
RE-99430
- Quinone reagent solution **50 pcs**
RE-99431

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

All ATAGO refractometers are designed and manufactured in Japan.

HACCP GMP GLP

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