

Pocket Brix-Acidity Meter

PAL-BX|ACID



Brix & Acid

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Easily Measure Brix and Acidity with One Unit

Sweet and Sour ~Balance is the Key~

Sweetness of fruit is often used for evaluating quality. Unfortunately, sweetness does not always mean that the fruit is tasty. Delicious fruits have the proper proportion of tartness and sweetness. Sugar/Acid ratio indicates the maturation levels of fruits. Sugar/Acid ratio is displayed by pressing a single button (R button). No need for complicated and troublesome calculations.

$$\text{Sugar/Acid ratio} = \frac{\text{Brix \%}}{\text{Acidity \%}}$$



Multi Fruits PAL-BX|ACID F5

This model is capable of measuring citrus, grapes & wine, tomatoes, strawberries and blueberries.

Measurement range

Brix		0.0 to 60.0%
Acid	Fruits No.	
	01 Citrus	0.10 to 4.00%
	02 Grape&wine	0.10 to 4.00%
	03 Tomato	0.10 to 3.00%
	04 Strawberry	0.10 to 3.50%
	05 Blueberry	0.10 to 4.00%

Citrus PAL-BX|ACID1

Measurement range

Brix	0.0 to 60.0%
Acid	0.10 to 4.00%

Grape&Wine PAL-BX|ACID2

Measurement range

Brix	0.0 to 60.0%
Acid	0.10 to 4.00%

Tomato PAL-BX|ACID3

Measurement range

Brix	0.0 to 60.0%
Acid	0.10 to 3.00%

Strawberry PAL-BX|ACID4

Measurement range

Brix	0.0 to 60.0%
Acid	0.10 to 3.50%

Apple PAL-BX|ACID5

Measurement range

Brix	0.0 to 60.0%
Acid	0.10 to 4.00%



No reagent required

Unlike the traditional titration method, PAL-BX|ACID requires no costly reagent.



Features a backlit screen

PAL-BX|ACID features a backlit screen allowing for easy to read measurements, even in dark locations.



Banana
PAL-BX|ACID6

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 0.60%



Blueberry
PAL-BX|ACID7

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 4.00%



Kiwi
PAL-BX|ACID8

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 3.00%



Pineapple
PAL-BX|ACID9

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 3.50%



Coffee Cherry
PAL-BX|ACID40

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 1.90%



Vinegar
PAL-BX|ACID181

Measurement range	
Brix	0.0 to 60.0%
Acid	0.50 to 12.0%



Beer
PAL-BX|ACID101

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 20.0%



Sake
PAL-BX|ACID121

Measurement range	
Brix	0.0 to 60.0%
Acid	0.50 to 25.0%



Milk
PAL-BX|ACID91

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 0.30%



Yogurt
PAL-BX|ACID96

Measurement range	
Brix	0.0 to 60.0%
Acid	0.10 to 3.00%



Included Accessories

ATAGO recommends the Master Kit (includes digital scale, plastic pipettes, and plastic beakers) for precise and accurate measurements.

Master Kit

Part Name	Quantity
Attachment	
Plastic pipettes	5pcs
Scale	
Plastic beaker	2pcs



Unit

Part Name	Quantity
Attachment	
Plastic pipettes	5pcs



Option

Part No.	Part Name	Quantity
RE-130004	Standard Liquid	
RE-39001	Plastic pipettes	5pcs
RE-39460	Attachment	
RE-39450	Scale	
RE-39002	Plastic beaker	



Attachment



Scale



Plastic beaker



Plastic pipettes

Cat.No.

Model	Scale	Master Kit	Unit
PAL-BX ACID F5	Multi Fruits	7100	7200
PAL-BX ACID1	Citrus	7101	7201
PAL-BX ACID2	Grape & Wine	7102	7202
PAL-BX ACID3	Tomato	7103	7203
PAL-BX ACID4	Strawberry	7104	7204
PAL-BX ACID5	Apple	7105	7205
PAL-BX ACID6	Banana	7106	7206
PAL-BX ACID7	Blueberry	7107	7207
PAL-BX ACID8	Kiwi	7108	7208
PAL-BX ACID9	Pineapple	7109	7209
PAL-BX ACID40	Coffee Cherry	7140	7240
PAL-BX ACID91	Milk	7191	7291
PAL-BX ACID96	Yogurt	7196	7296
PAL-BX ACID101	Beer	7501	7601
PAL-BX ACID121	Sake	7521	7621
PAL-BX ACID181	Vinegar	7581	7681

Common Specifications

Measurement scales	Brix, Acid, Sugar/Acid ratio (displayed item)	
Measurement range	Brix	0.0 to 60.0%
Measurement accuracy	Brix	±0.2%
	Acid	± 0.10% (Acid0.10 to 1.00%) Relative precision : ±10% (Acid1.01% or more)
Resolution	Brix	0.1%
	Acid	0.01% (0.00 to 9.99%) 0.1% (10.0% or more)
	Sugar/Acid ratio	0.00 (0.00 to 9.99) 00.0 (10.0 to 99.9) 000 (100 or more)
Automatic temperature compensation range	10 to 40°C	
Power supply	Two (2) AAA alkaline batteries	
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.

ATAGO CO., LTD.



ISO9001 H.Q. & Factory

HACCP GMP GLP

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

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