

PAL™-BX|ACID/Easy ACID Series

What's important is the balance of
sweetness and tartness !
Brix and acidity in mere one minute

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. Brix-Acid ratio indicates the maturation levels of fruits. Brix-Acid ratio is displayed by pressing a single button (R button), No need for complicated and troublesome calculations. (PAL™-BX|ACID only) Brix-Acid ratio = Brix% / Acidity%

No Reagent Required

Conventional acid level measurement methods, (acid-base titration) are expensive, require complicated set-ups and disposal procedures, and need a large amount of costly reagent. ATAGO Acidity Meters & Brix-Acidity Meters require absolutely no reagent at all! Acidity measurement add distilled water until the total desired weight (dilution ratio) is reached. Dilution ratio will vary depending on the scale.

NFC

Measurement history (up to 100 items) can be read by touching a contactless IC card reader / writer connected to a smartphone or a personal computer.

Multi Fruits

Brix-Acidity Meter

PAL™-BX|ACID F5

Cat.No.7100

Acidity Meter

PAL™-Easy ACID F5

Cat.No.7300

These models are capable of measuring citrus, grapes & wine, tomatoes, strawberries and blueberries.



PAL™-BX ACID F5		
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	
RNG	Brix	0.0 to 90.0%
	Acid	1L Citrus(Low) 0.10 to 4.00%
		1H Citrus(High) 2.50 to 8.80%
		2 Grape & Wine 0.10 to 4.00%
		3 Tomato 0.10 to 3.00%
		4 Strawberry 0.10 to 3.50%
		5 Blueberry 0.10 to 4.00%

PAL™-Easy ACID F5		
SCL	Acid	
RNG	Acid	1L Citrus(Low) 0.10 to 4.00%
		1H Citrus(High) 2.50 to 8.80%
		2 Grape & Wine 0.10 to 4.00%
		3 Tomato 0.10 to 3.00%
		4 Strawberry 0.10 to 3.50%
		5 Blueberry 0.10 to 4.00%

Reference: SCL = Measurement scale, RNG = Measurement range

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ATAGO® ACIDITY METER

Citrus

Brix-Acidity Meter

PAL™-BX|ACID1 Cat.No.7101

Acidity Meter

PAL™-Easy ACID1 Cat.No.7301



	PAL™-BX ACID1	PAL™-Easy ACID1
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid Citrus(Low)0.10 to 4.00% Citrus(High)2.50 to 8.80%	Acid Citrus(Low)0.10 to 4.00% Citrus(High)2.50 to 8.80%

Grape & Wine

Brix-Acidity Meter

PAL™-BX|ACID2 Cat.No.7102

Acidity Meter

PAL™-Easy ACID2 Cat.No.7302



	PAL™-BX ACID2	PAL™-Easy ACID2
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 4.00% (Acid = Total Acidity to Tartaric Acid Conversion)	Acid 0.10 to 4.00%

Tomato

Brix-Acidity Meter

PAL™-BX|ACID3 Cat.No.7103

Acidity Meter

PAL™-Easy ACID3 Cat.No.7303



	PAL™-BX ACID3	PAL™-Easy ACID3
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 3.00% (Acid = Total Acidity to Citric Acid Conversion)	Acid 0.10 to 3.00%

Strawberry

Brix-Acidity Meter

PAL™-BX|ACID4 Cat.No.7104

Acidity Meter

PAL™-Easy ACID4 Cat.No.7304



	PAL™-BX ACID4	PAL™-Easy ACID4
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 3.50% (Acid = Total Acidity to Citric Acid Conversion)	Acid 0.10 to 3.50%

Apple

Brix-Acidity Meter

PAL™-BX|ACID5 Cat.No.7105

Acidity Meter

PAL™-Easy ACID5 Cat.No.7305



	PAL™-BX ACID5	PAL™-Easy ACID5
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 4.00% (Acid = Total Acidity to Malic Acid Conversion)	Acid 0.10 to 4.00%

Banana

Brix-Acidity Meter

PAL™-BX|ACID6 Cat.No.7106

Acidity Meter

PAL™-Easy ACID6 Cat.No.7306



	PAL™-BX ACID6	PAL™-Easy ACID6
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 0.60% (Acid = Total Acidity to Malic Acid Conversion)	Acid 0.10 to 0.60%

Reference: SCL = Measurement scale, RNG = Measurement range

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Blueberry

Brix-Acidity Meter

PAL™-BX|ACID7 Cat.No.7107

Acidity Meter

PAL™-Easy ACID7 Cat.No.7307



	PAL™-BX ACID7	PAL™-Easy ACID7
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 4.00% (Acid = Total Acidity to Citric Acid Conversion)	Acid 0.10 to 4.00%

Kiwi

Brix-Acidity Meter

PAL™-BX|ACID8 Cat.No.7108

Acidity Meter

PAL™-Easy ACID8 Cat.No.7308



	PAL™-BX ACID8	PAL™-Easy ACID8
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 3.00% (Acid = Total Acidity to Citric Acid Conversion)	Acid 0.10 to 3.00%

Pineapple

Brix-Acidity Meter

PAL™-BX|ACID9 Cat.No.7109

Acidity Meter

PAL™-Easy ACID9 Cat.No.7309



	PAL™-BX ACID9	PAL™-Easy ACID9
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 3.50% (Acid = Total Acidity to Citric Acid Conversion)	Acid 0.10 to 3.50%

Plum

Brix-Acidity Meter

PAL™-BX|ACID11 Cat.No.7111

Acidity Meter

PAL™-Easy ACID11 Cat.No.7311



	PAL™-BX ACID11	PAL™-Easy ACID11
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 4.00% (Acid = Total Acidity to Malic Acid Conversion)	Acid 0.10 to 4.00%

Asian Pear & Kosui

Brix-Acidity Meter

PAL™-BX|ACID12 Cat.No.7112

Acidity Meter

PAL™-Easy ACID12 Cat.No.7312



	PAL™-BX ACID12	PAL™-Easy ACID12
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.05 to 2.00% (Acid = Total Acidity to Citric Acid Conversion)	Acid 0.05 to 2.00%

<Measurement accuracy (Asian Pear & Kosui model) >
Asian Pear : ±0.05% (0.05 to 0.50%), Relative precision ±5% (0.51% or more),
Kosui : ±0.05% (0.05 to 0.48%), No accuracy guarantee (0.49% or more)

Pear

Brix-Acidity Meter

PAL™-BX|ACID14 Cat.No.7114

Acidity Meter

PAL™-Easy ACID14 Cat.No.7314



	PAL™-BX ACID14	PAL™-Easy ACID14
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 4.00% (Acid = Total Acidity to Citric Acid Conversion)	Acid 0.10 to 4.00%

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ATAGO® ACIDITY METER

Mango

Brix-Acidity Meter

PAL™-BX|ACID15 Cat.No.7115

Acidity Meter

PAL™-Easy ACID15 Cat.No.7315



	PAL™-BX ACID15	PAL™-Easy ACID15
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 4.00%	Acid 0.10 to 4.00%
	(Acid = Total Acidity to Citric Acid Conversion)	

Cherry

Brix-Acidity Meter

PAL™-BX|ACID16 Cat.No.7116

Acidity Meter

PAL™-Easy ACID16 Cat.No.7316



	PAL™-BX ACID16	PAL™-Easy ACID16
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 3.00%	Acid 0.10 to 3.00%
	(Acid = Total Acidity to Malic Acid Conversion)	

Passion Fruit

Brix-Acidity Meter

PAL™-BX|ACID21 Cat.No.7121

Acidity Meter

PAL™-Easy ACID21 Cat.No.7321



	PAL™-BX ACID21	PAL™-Easy ACID21
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 4.50%	Acid 0.10 to 4.50%
	(Acid = Total Acidity to Malic Acid Conversion)	

Coffee Cherry

Brix-Acidity Meter

PAL™-BX|ACID40 Cat.No.7140

Acidity Meter

PAL™-Easy ACID40 Cat.No.7340



	PAL™-BX ACID40	PAL™-Easy ACID40
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 1.90%	Acid 0.10 to 1.90%
	(Acid = Total Acidity to Chlorogenic Acid Conversion)	

Milk

Brix-Acidity Meter

PAL™-BX|ACID91 Cat.No.7191

Acidity Meter

PAL™-Easy ACID91 Cat.No.7391



	PAL™-BX ACID91	PAL™-Easy ACID91
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 0.30%	Acid 0.10 to 0.30%
	(Acid = Total Acidity to Lactic Acid Conversion)	

Yogurt

Brix-Acidity Meter

PAL™-BX|ACID96 Cat.No.7196

Acidity Meter

PAL™-Easy ACID96 Cat.No.7396



	PAL™-BX ACID96	PAL™-Easy ACID96
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 3.00%	Acid 0.10 to 3.00%
	(Acid = Total Acidity to Lactic Acid Conversion)	

Reference: SCL=Scale, RNG=Measurement range

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Beer

Brix-Acidity Meter

PAL™-BX|ACID101 Cat.No.7501

Acidity Meter

PAL™-Easy ACID101 Cat.No.7701



	PAL™-BX ACID101	PAL™-Easy ACID101
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.10 to 20.0%	Acid 0.10 to 20.0%

(Acid = Total Acidity Conversion)

Sake

Brix-Acidity Meter

PAL™-BX|ACID121 Cat.No.7521

Acidity Meter

PAL™-Easy ACID121 Cat.No.7721



	PAL™-BX ACID121	PAL™-Easy ACID121
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.50 to 25.0%	Acid 0.50 to 25.0%

(Acid = Total Acidity Conversion)

* Note that the dilution factor for measuring sake during production stage is different from the end product.

Vinegar

Brix-Acidity Meter

PAL™-BX|ACID181 Cat.No.7581

Acidity Meter

PAL™-Easy ACID181 Cat.No.7781



	PAL™-BX ACID181	PAL™-Easy ACID181
SCL	Brix, Acid, Sugar/Acid ratio (displayed item)	Acid
RNG	Brix 0.0 to 90.0% Acid 0.50 to 12.0%	Acid 0.50 to 12.0%

(Acid = Total Acidity to Acetic Acid Conversion)

Common Specifications

Measurement accuracy	Brix *1	±0.2%
	Acid *2	±0.10% (Acid 0.10 to 1.00%)
		Relative precision ±10% (Acid 1.01% or more)
Resolution	Brix *1	0.1%
	Acid	0.01%
	Sugar / Acid ratio *1	0.00 (0.00 to 9.99)
		00.00 (10.00 to 99.99)
		000.0 (100 or more)
Automatic temperature compensation range	Brix	10.0 to 100.0°C
	Acid	10.0 to 40.0°C
Power supply	2×AAA alkaline batteries	
International protection class	IP65 Water resistant	
Dimensions and weight	5.5×3.1×10.9cm, 100g (main unit only)	

*1 "Brix" and "Brix-Acid Ratio" scales are available only on Brix-Acidity Meters.

*2 Except PAL™-BX|ACID12 and PAL™-Easy ACID12.

Contents

Part Name	Quantity
Digital scale	1
100mL Beaker (PMP)	1
1mL Measuring spoon	1

Optional Accessories

Part No.	Part name
RE-130004	Brix-Acidity Meter Citric Acid Solution 0.04% 10mL
RE-39450	Digital scale for dilution
RE-39004	Beaker 100mL (PMP)
RE-39005	Measuring Spoon 1mL

Reference: SCL=Scale, RNG=Measurement range

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