



The PAL-BX|ACID Pocket Sugar and Acidity Meters measure sugar and acidity level in fruit juices, milk, beer, yogurt, sake, or vinegar. Each unit in this series measures both Brix (sugar level) and acidity. The PAL-BX|ACID meters are uniquely designed with a specific scale best suited for the sample it is measuring. The PAL-BX|ACID meters measure the total acidity in a sample and convert it into either citric, tartaric, malic, acetic, or lactic acid concentrations, depending on the unit.

Pocket Brix-Acidity Meter PAL-BX | ACID Series & Pocket Acidity Meter PAL-Easy ACID Series

Included Accessories & Kits

Master Kit



Contents

Unit + included accessories
 Measuring spoon × 1, scale × 1,
 and beaker × 1.

Citrus



PAL-BX|ACID1 Master Kit

Cat.No.7101

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Specifications

Model	PAL-BX ACID1
Scale	Brix Acid (Total Acidity to Citric Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Low Acidity : 0.10 to 4.00% High Acidity : 2.50 to 8.80% 10.0 to 40.0°C

PAL-Easy ACID1 Master Kit

Cat.No.7301

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Specifications

Model	PAL-Easy ACID1
Scale	Acid (Total Acidity to Citric Acid Conversion)
Measurement Range	Acid : 0.10 to 4.00%

Grape & Wine



PAL-BX|ACID2 Master Kit

Cat.No.7102

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Specifications

Model	PAL-BX ACID2
Scale	Brix Acid (Total Acidity to Tartaric Acid onversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 4.00% 10.0 to 40.0°C

PAL-Easy ACID2 Master Kit

Cat.No.7302

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Specifications

Model	PAL-Easy ACID2
Scale	Acid (Total Acidity to Tartaric Acid onversion)
Measurement Range	Acid : 0.10 to 4.00% 10.0 to 40.0°C

Tomato



PAL-BX|ACID3 Master Kit

Cat.No.7103

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Specifications

Model	PAL-BX ACID3
Scale	Brix Acid (Total Acidity to Citric Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 3.00% 10.0 to 40.0°C

PAL-Easy ACID3 Master Kit

Cat.No.7303

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Specifications

Model	PAL-Easy ACID3
Scale	Acid (Total Acidity to Citric Acid Conversion)
Measurement Range	Acid : 0.10 to 3.00% 10.0 to 40.0°C

Strawberry



PAL-BX|ACID4 Master Kit

Cat.No.7104

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Specifications

Model	PAL-BX ACID4
Scale	Brix Acid (Total Acidity to Citric Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 3.50% 10.0 to 40.0°C

PAL-Easy ACID4 Master Kit

Cat.No.7304

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Specifications

Model	PAL-Easy ACID4
Scale	Acid (Total Acidity to Citric Acid Conversion)
Measurement Range	Acid : 0.10 to 3.50% 10.0 to 40.0°C

Apple



PAL-BX|ACID5 Master Kit

Cat.No.7105

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Specifications

Model	PAL-BX ACID5
Scale	Brix Acid (Total Acidity to Malic Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 4.00% 10.0 to 40.0°C

PAL-Easy ACID5 Master Kit

Cat.No.7305

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Specifications

Model	PAL-Easy ACID5
Scale	Acid (Total Acidity to Malic Acid Conversion)
Measurement Range	Acid : 0.10 to 4.00% 10.0 to 40.0°C

Banana



PAL-BX|ACID6 Master Kit

Cat.No.7106

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Specifications

Model	PAL-BX ACID6
Scale	Brix Acid (Total Acidity to Malic Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 0.60% 10.0 to 40.0°C

PAL-Easy ACID6 Master Kit

Cat.No.7306

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Specifications

Model	PAL-Easy ACID6
Scale	Acid (Total Acidity to Malic Acid Conversion)
Measurement Range	Acid : 0.10 to 0.60% 10.0 to 40.0°C

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Blueberry



PAL-BX|ACID7 Master Kit

Cat.No.7107

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Specifications

Model	PAL-BX ACID7
Scale	Brix Acid (Total Acidity to Citric Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 4.00% 10.0 to 40.0°C

PAL-Easy ACID7 Master Kit

Cat.No.7307

[» detail](#)

Specifications

Model	PAL-Easy ACID7
Scale	Acid (Total Acidity to Citric Acid Conversion)
Measurement Range	Acid : 0.10 to 4.00% 10.0 to 40.0°C

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PAL-BX|ACID8 Master Kit

Cat.No.7108

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Specifications

Model	PAL-BX ACID8
Scale	Brix Acid (Total Acidity to Citric Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 3.00% 10.0 to 40.0°C

PAL-Easy ACID8 Master Kit

Cat.No.7308

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Specifications

Model	PAL-Easy ACID8
Scale	Acid (Total Acidity to Citric Acid Conversion)
Measurement Range	Acid : 0.10 to 3.00% 10.0 to 40.0°C

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Pineapple



PAL-BX|ACID9 Master Kit

Cat.No.7109

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Specifications

Model	PAL-BX ACID9
Scale	Brix Acid (Total Acidity to Citric Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 3.50% 10.0 to 40.0°C

PAL-Easy ACID9 Master Kit

Cat.No.7309

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Specifications

Model	PAL-Easy ACID9
Scale	Acid (Total Acidity to Citric Acid Conversion)
Measurement Range	Acid : 0.10 to 3.50% 10.0 to 40.0°C

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Plum



PAL-BX|ACID11 Master Kit

Cat.No.7111

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Specifications

Model	PAL-BX ACID11
Scale	Brix Acid
Measurement Range	Brix : 0.0 to 60.0% Acid: 0.10 to 4.00% 10.0 to 40.0°C

PAL-Easy|ACID11 Master Kit

Cat.No.7311

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Specifications

Model	PAL-BX ACID11
Scale	Acid
Measurement Range	Acid: 0.10 to 4.00% 10.0 to 40.0°C

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Asian Pear



PAL-BX|ACID12 Master Kit

Cat.No.7112

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Specifications

Model	PAL-BX ACID12
Scale	Brix Acid
Measurement Range	Brix : 0.0 to 60.0% Acid: 0.05 to 2.00% 10.0 to 40.0°C

PAL-Easy|ACID12 Master Kit

Cat.No.7312

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Specifications

Model	PAL-BX ACID12
Scale	Acid
Measurement Range	Acid: 0.05 to 2.00% 10.0 to 40.0°C

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Pear



PAL-BX|ACID14 Master Kit

Cat.No.7114

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Specifications

Model	PAL-BX ACID14
Scale	Brix Acid
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 4.00% 10.0 to 40.0°C

PAL-Easy|ACID14 Master Kit

Cat.No.7314

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Specifications

Model	PAL-BX ACID14
Scale	Acid
Measurement Range	Acid : 0.10 to 4.00% 10.0 to 40.0°C

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Coffee cherry



PAL-BX|ACID40 Master Kit

Cat.No.7140

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Specifications

Model	PAL-BX ACID40
Scale	Brix Acid (Total Acidity to Chlorogenic Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 1.90% 10.0 to 40.0°C

PAL-Easy ACID40 Master Kit

Cat.No.7340

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Specifications

Model	PAL-Easy ACID40
Scale	Acid (Total Acidity to Chlorogenic Acid Conversion)
Measurement Range	Acid : 0.10 to 1.9% 10.0 to 40.0°C

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Vinegar

PAL-BX|ACID181 Master Kit

Cat.No.7581

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Specifications

Model	PAL-BX ACID181
Scale	Brix Acid (Total Acidity to Acetic Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 12.00% 10.0 to 40.0°C

PAL-Easy ACID181 Master Kit

Cat.No.7781

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Specifications

Model	PAL-Easy ACID181
Scale	Acid (Total Acidity to Acetic Acid Conversion)
Measurement Range	Acid : 0.10 to 12.00% 10.0 to 40.0°C

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Beer



PAL-BX|ACID101 Master Kit

Cat.No.7501

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Specifications

Model	PAL-BX ACID101
Scale	Brix Acid (Total Acidity Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 20.0% 10.0 to 40.0°C

PAL-Easy ACID101 Master Kit

Cat.No.7701

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Specifications

Model	PAL-Easy ACID40
Scale	Acid (Total Acidity Conversion)
Measurement Range	Acid : 0.10 to 20.0% 10.0 to 40.0°C

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Sake

PAL-BX|ACID121 Master Kit

Cat.No.7521

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Specifications

Model	PAL-BX ACID1
Scale	Brix Acid (Total Acidity Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 25.0% 10.0 to 40.0°C

PAL-Easy ACID121 Master Kit

Cat.No.7721

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Specifications

Model	PAL-Easy ACID121
Scale	Acid (Total Acidity Conversion)
Measurement Range	Acid : 0.10 to 25.0% 10.0 to 40.0°C

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Milk

PAL-BX|ACID91 Master Kit

Cat.No.7191

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Specifications

Model	PAL-BX ACID91
Scale	Brix Acid (Total Acidity to Lactic Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 0.30% 10.0 to 40.0°C

PAL-Easy ACID91 Master Kit

Cat.No.7491

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Specifications

Model	PAL-Easy ACID91
Scale	Acid (Total Acidity to Lactic Acid Conversion)
Measurement Range	Acid : 0.10 to 0.30% 10.0 to 40.0°C

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Yogurt

PAL-BX|ACID96 Master Kit

Cat.No.7196

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Specifications

Model	PAL-BX ACID96
Scale	Brix Acid
Measurement Range	Brix : 0.0 to 60.0% Acid : 0.10 to 3.00% 10.0 to 40.0°C

PAL-Easy ACID96 Master Kit

Cat.No.7396

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Specifications

Model	PAL-Easy ACID96
Scale	Acid (Total Acidity to Lactic Acid Conversion), Sugar/Acid ratio (displayed item)
Measurement Range	Acid : 0.10 to 3.00% 10.0 to 40.0°C

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Multi Fruits



PAL-BX|ACID F5 Master Kit

Cat.No.7100

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Specifications

Model	PAL-BX ACID F5
Scale	Brix Acid
Measurement Range	Brix : 0.0 to 60.0% Acid : : 1L (Low Acidity Citrus) 0.10~4.00% : 1H (High Acidity Citrus) 2.50~8.80% : 2 (Grape & Wine) 0.10~4.00% : 3 (Tomato) 0.10~3.00% : 4 (Strawberry) 0.10~3.50% : 5 (Blueberry) 0.10~4.00% 10.0 to 40.0°C

PAL-Easy ACID F5 Master Kit

Cat.No.7300

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[detail](#)

Specifications

Model	PAL-Easy ACID F5
Scale	Acid
Measurement Range	Acid : 0.10 to 3.00% Acid : 1 (Citrus) 0.10~4.00%

: 2 (Grape & Wine) 0.10~4.00%
: 2 (Grape & Wine) 0.10~4.00%
: 3 (Tomato) 0.10~3.00%
: 4 (Strawberry) 0.10~3.50%
: 5 (Blueberry) 0.10~4.00%
10.0 to 40.0°C

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