

ATAGO® Brix and Salt Hybrid Meter

PAL™ - BX | SALT

World's First Hybrid! Hybrid Brix and Salt Meter for Concentration and Salinity.

Digital Hand-held "Pocket" Brix-Salt Meter

PAL™ - BX | SALT + 5

Cat.No.4922

PAL™ - BX | SALT + 5 Mohr + 5

Cat.No.4924



Optical prism and titanium



Sample volume is 0.6 mL

Measurement Method



Apply 2 to 3 drops on the Prism surface.



Press the START key.



Measurement value and prism temperature are displayed in 3 seconds!

Introducing a hybrid refractometer and salt meter for Brix and salt %.

A hybrid Brix and salt meter born by the fusion of optics and metal.

An optical prism is used for the concentration via light refraction, a titanium for salt concentration via electrical conductivity.

Not only providing the means to measure the balance between concentration and salt content in one unit, the decisive factor in taste for all food, with our proprietary algorithm we also took away the stress that comes with dilution. By simply inputting the sample data to be measured the first time only, it is possible to measure without dilution from the second time onward. Now, the salt concentration of samples with high concentration such as sauce can be measured without dilution.

Optical prism and titanium dual electrode.

A hybrid Brix and salt meter born by the fusion of optics and metal. An optical prism is used for the concentration via light refraction, a titanium for salt concentration via electrical conductivity.

World's first! Dilution-free Salt Measurement

Yes, I was looking for something like this! Not only providing the means to measure the balance between concentration and salt content in one unit, the decisive factor in taste for all food, with our proprietary algorithm we also took away the stress that comes with dilution.

Measurement range	Brix : 0.0 to 90.0% Salt concentration : 0.00 to 15.00%
Resolution	Brix : 0.1% Salt concentration : 0.01%
Measurement accuracy	Brix : ±0.2% Displayed value : ±0.05% (for salt concentration of 0.00 to 0.99%) Relative precision : ±5% (for salt concentration of 1.00 to 9.99%) Relative precision : ±10% (for salt concentration of 10.00 to 15.00%)
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)

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Digital Hand-held "Pocket" Brix-Salt Meter

PAL™ -BX|SALT

Cat.No.4921

PAL™ -BX|SALT Mohr

Cat.No.4923



Optical prism and titanium



Sample volume is 0.6 mL

Introducing a hybrid refractometer and salt meter for Brix and salt %. This is a hybrid of refractometer and salt meter which has an optical prism to measure the concentration (Brix) and a titanium electrode to measure the salt content. Furthermore, it is equipped with an offset function to show the same value as other measurement methods.

*Offset feature use examples

#1. Program a dilution factor to automatically display the salt concentration of the original sample.

#2. Program a conversion factor to align the readings with titration methods.

Optical prism and titanium dual electrode.

A hybrid Brix and salt meter born by the fusion of optics and metal. An optical prism is used for the concentration via light refraction, a titanium for salt concentration via electrical conductivity.

No reagents or glassware required

Costly and hard to dispose of reagents were needed for the titration method. Glass hydrometers needed to be handled carefully in food facilities due to the danger of dropping and shattering glass.

Optional Accessories

● NaCl Solution for Calibration

Part No.	Contents	Concentration	Models	Shelf life
RE-120250	10mL	2.50 ±0.05%	PAL™-SALT, PAL™-SALT Mohr (2.54%), PAL™-SALT PROBE, ES-421™	6 weeks
RE-143025	100mL	2.5%	PAL™-SALT PROBE	1 year
RE-145025	500mL	2.5%	PAL™-SALT PROBE	1 year
RE-120900	10mL	9.00±0.05g/100g	PAL™-BX SALT, PAL™-BX SALT+5	6 weeks
RE-121500	10mL	15.00±0.05g/100g	PAL™-BX SALT, PAL™-BX SALT+5	6 weeks

* If actual displayed concentration differs, displayed values will be contained within the () after the applicable models.

Measurement range	Brix : 0.0 to 90.0% Salt concentration : 0.00 to 15.00%
Resolution	Brix : 0.1% Salt concentration : 0.01%
Measurement accuracy	Brix : ±0.2% Displayed value : ±0.05% (for salt concentration of 0.00 to 0.99%) Relative precision : ±5% (for salt concentration of 1.00 to 9.99%) Relative precision : ±10% (for salt concentration of 10.00 to 15.00%)
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)





Ramen soup Brix-Salt Meter

PAL™ -Ramen Meister

Cat.No.4942

A must-have item for a ramen shop.

The PAL-Ramen Meister is a hybrid model that can measure the concentration and salt content of ramen soup, dashi, kaeshi and sauce all at once. After repeated experiments with ramen soup and sauce, we achieved to be able to obtain a stable value within 2 seconds even when it is hot. In addition, it is possible to measure the salt content of thick liquids such as sauce without dilution. By adding concentration management to the usual tasting, you can eliminate the fluctuation of the taste and prevent soup and utility cost being wasted.

Measurement range	Brix : 0.00 to 90.0% Salt concentration : 0.00 to 15.00%
Resolution	Brix : 0.1% Salt concentration : 0.01%
Measurement accuracy	Brix : $\pm 0.2\%$ Displayed value : $\pm 0.05\%$ (for salt concentration of 0.00 to 0.99%) Relative precision : $\pm 5\%$ (for salt concentration of 1.00 to 9.99%) Relative precision : $\pm 10\%$ (for salt concentration of 10.00 to 15.00%) *In sucrose solution and sodium chloride solution (20°C)



Ramen soup Brix-Salt Meter

New Ramen Meister Set™

Cat.No.4013

Manage the brine/boiling water for noodle to improve the texture of noodle!

Manage the water being used for soup to improve the taste!

Measurement range	Brix : 0.00 to 90.0% Salt concentration : 0.00 to 15.00% pH : 0.00 to 14.00
Resolution	Brix : 0.1% Salt concentration : 0.01% pH : 0.01
Measurement accuracy	Brix : $\pm 0.2\%$ Displayed value : $\pm 0.05\%$ (for salt concentration of 0.00 to 0.99%) Relative precision : $\pm 5\%$ (for salt concentration of 1.00 to 9.99%) Relative precision : $\pm 10\%$ (for salt concentration of 10.00 to 15.00%) *In sucrose solution and sodium chloride solution (20°C) pH : ± 0.10

Calibration solutions on Page 99