



Цифровые рефрактометры



По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
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Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

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Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
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Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
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Пенза (8412)22-31-16
Пермь (342)205-81-47
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Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
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Pocket PAL series

The PAL is a completely newly designed digital hand-held instrument that will change the traditional conceptions of refractometers.

● Dimensions and weight : 55×31×109mm, 100g

DIGITAL HAND-HELD "POCKET" REFRACTOMETERS



PAL-1 Cat.No. 3810

PAL-2 Cat.No. 3820

PAL-3 Cat.No. 3830

PAL-α Cat.No. 3840

Feature

- Calibration with water only
- Extremely water resistant (IP65)
- Light & Compact, 100g
- Revolutionary new feature ELI*
- Automatic Temperature Compensation (A.T.C.)
- Measurement in 3 seconds
- Ergonomically designed for one-handed operation
- Equipped with a strap holder option
- Convenient storage case

* External Light Interference (ELI) - Patent Pending

Everyone is talking about the new "Pocket" as featured on recent TV programs and Magazines



Always clean and shiny!!
Can be easily rinsed under running water.



Patent for Design Registration No. ZL300310100015.2 (China)
Patent for Invention Registration No. ZL03003431.1 (China), 089244 (Taiwan)
Patent pending in U.S.A., and Germany and all other countries around the world.

Digital Hand-held "Pocket" Refractometers (Special Scales)

Model	Scale	Model	Scale	Model	Scale	Model	Scale
Brix		Sea water (S.G.)		Chemical product's ingredient			
PAL-1	Brix (0.0~53.0%)	PAL-07S	Sea water (S.G.)	PAL-80S	T.A. 1971	PAL-23S	Glycerin (Low concentration)
PAL-2	Brix (45.0~93.0%)	PAL-08S	Sea water (Baume)	PAL-83S	KMW (or Babo)	PAL-24S	Glycerin (High concentration)
PAL-3	Brix (0.0~93.0%)			PAL-84S	Baume	PAL-30S	Acetic acid
PAL-α	Brix (0.0~85.0%)	Food additives, Ingredients		PAL-86S	Oe (Ger) / Brix (Double scale)	PAL-31S	Formic acid
Sugars		PAL-29S	Citric acid	PAL-87S	Oe (Oechsle) / Brix (Double scale)	PAL-32S	Phosphoric acid
PAL-12S	Dextran	PAL-30S	Acetic acid	Clinical inspection, Test		PAL-44S	Lithium chloride
PAL-14S	Fructose	PAL-32S	Phosphoric acid	PAL-42S	Cesium chloride	PAL-45S	Barium chloride
PAL-15S	Glucose	PAL-64S	Sodium bicarbonate	PAL-53S	Copper sulfate (Concentration)	PAL-46S	Cobalt chloride
PAL-16S	High Fructose Corn Syrup (HFCS-42)	PAL-65S	Sodium tartrate	PAL-54S	Copper sulfate (S.G.)	PAL-47S	Ferric chloride
PAL-17S	High Fructose Corn Syrup (HFCS-55)	Alcohol liquid		Sterilization, Bleaching		PAL-48S	Strontium chloride
PAL-18S	Inverted sugar	PAL-34S	Ethyl alcohol	PAL-39S	Hydrogen peroxide	PAL-49S	Potassium chloride
PAL-19S	Lactose	PAL-36S	Methyl alcohol	Alkaline liquid		PAL-50S	Potassium bromide
PAL-20S	Maltose	PAL-37S	Isopropyl alcohol	PAL-40S	Sodium hydroxide	PAL-51S	Sodium bromide
Honey		PAL-85S	Polyvinyl alcohol	Snow-melting agent		PAL-52S	Potassium iodide
PAL-22S	Honey moisture	Pharmaceutical reagents, Ingredients		PAL-03S	Snow-melting agent (Sodium chloride)	PAL-53S	Copper sulfate (Concentration)
Soy milk, Bittern (Magnesium chloride)		PAL-12S	Dextran	PAL-41S	Snow-melting agent (Calcium chloride)	PAL-54S	Copper sulfate (S.G.)
PAL-27S	Soy milk	PAL-13S	Creatine	PAL-43S	Snow-melting agent (Magnesium chloride)	PAL-55S	Magnesium sulfate
PAL-43S	Bittern (Magnesium chloride)	PAL-23S	Glycerin (Low concentration)	Coolant (Double scale)		PAL-56S	Potassium sulfate
Cooking		PAL-24S	Glycerin (High concentration)	PAL-88S	Propylene glycol / Freezing point of Propylene glycol (°C)	PAL-57S	Nickel sulfate
PAL-96S	Chinese noodle soup / Baume of kansui (Double scale)	PAL-25S	Inulin	PAL-89S	Propylene glycol / Freezing point of Propylene glycol (°F)	PAL-58S	Sodium nitrate
PAL-98S	Condiment	PAL-26S	Mannitol	PAL-91S	Ethylene glycol / Freezing point of Ethylene glycol (°C)	PAL-59S	Zinc sulfate
PAL-Pâtissier	Brix / Baume (Double scale) NEW	PAL-31S	Formic acid	PAL-92S	Ethylene glycol / Freezing point of Ethylene glycol (°F)	PAL-60S	Silver nitrate
Salinity		PAL-32S	Phosphoric acid	Artificial leather, Fabric		PAL-61S	Sodium nitrate
PAL-03S	Sodium chloride (g/100g)	PAL-51S	Sodium bromide	PAL-38S	Dimethyl formamide	PAL-62S	Potassium carbonate
PAL-106S	Sodium chloride (g/100ml)	PAL-55S	Magnesium sulfate	Paste		PAL-63S	Sodium carbonate
PAL-04S	Sodium chloride (S.G.)	PAL-64S	Sodium bicarbonate	PAL-21S	Dextrin	PAL-64S	Sodium bicarbonate
PAL-05S	Sodium chloride (Baume)	PAL-65S	Sodium tartrate	Cutting oil		PAL-67S	Potassium chromate
Sea water		PAL-66S	Potassium oxalate	Refractive index		PAL-68S	Potassium dichromate
PAL-06S	Sea water (Concentration)	PAL-68S	Potassium dichromate			PAL-69S	Sodium thiosulfate
Wine		PAL-70S	Potassium phosphate			PAL-70S	Potassium phosphate
PAL-79S	T.A. 1990	PAL-72S	Sodium tungstate			PAL-71S	Sodium molybdate

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