



Refractometer ABBE "2WAJ"

LCD DIGITAL THERMOMETER BUILT-IN.

APPLICATIONS

Ideal for measuring the refractive index n_D of liquids, solids and sugar concentrations (0 - 95% = n_D 1.333-1.531).

Indispensable instrument for industrial chemistry, petroleum, pharmaceutical, food oils and fats, sugars, universities etc.

FEATURES

Telescopic system X2 magnification.

Eyepiece with dioptric correction.

Connection for external water bath.

Thermometer 0-70 °C. To see the sample temperature.

Robust metallic construction.

Weight: 2.6 Kg.

Measurements: 240 mm high x 100 mm wide x 200 mm depth.

Measuring range:

Refraction index n_D : 1300 - 1700.

Brix: 0 - 95%.

Measuring definition:

Refraction index n_D : 0.0005.

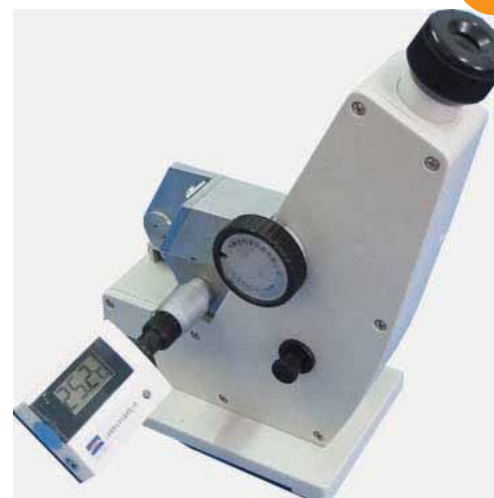
Precision n_D : ± 0.0002 .

Brix: 0.25%. Precision: $\pm 0.1\%$.

Part No. 5901008

Supplied complete with

- Aluminium carry case,
- 1 bottle of Naphthalene Bromide,
- 1 calibration standard,
- 1 screwdriver and dust cover.



Digital ABBE refractometer "WYA-2S"

APPLICATIONS

Ideal for measuring the refractive index of liquids, solids and sugar concentrations (° Brix), industry: chemical, petroleum, food, pharmaceutical, universities and research etc.

FEATURES

Apparatus equipped with an optical system made of a telescope with dispersion correction, used to define the division line between dark and bright areas.



Precise optics with automatic temperature compensation displayed as °Brix and sample temperature.

Stabilized temperature connection for a water bath.
RS-232 output with software included.

Measuring range:

Refraction index n_D : 1.3000 - 1.7000

Brix Bx - TC: 0 - 95%

Brix Bx: 0 - 95%

Measurement scale definition:

Refraction index n_D : ± 0.0002

Brix Bx - TC: $\pm 0.1\%$

Brix Bx: $\pm 0.1\%$

Temperature:

Working range: 0 - 50 °C.

Correction range of Bx, in respect to temperature: 15 - 45 °C.



Supplied complete with dust cover and maintenance box that includes:

- 1 bottle of Naphthalene Bromide,
- 1 calibration standard,
- 1 Hex key,
- 3 lamps 6.3V, 0.25 A.
- 3 fuses 1 A.

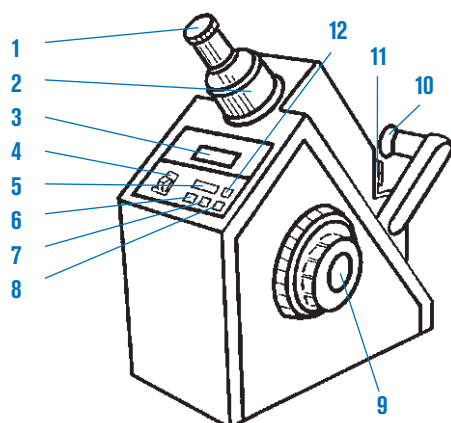
Optimum precision



MODEL

Part No.	Height / Width / Depth (exterior) cm	Power supply	Weight Kg
5901007	38 18 33	220V $\pm 20V$ 50Hz	10

CONTROL PANEL



Technical description

1. Monocular system.
2. Telescope adjustment.
3. Digital display.
4. Mains switch "POWER".
5. Push button "READ".
6. Push button for Brix with temperature correction "Bx - TC".
7. Push button for the refractive index " n_D ".
8. Push button for Brix without temperature correction "Bx".
9. Optical control.
10. Light intensity unit.
11. Refractometer prism.
12. Push button for temperature indicating. "TEMP".



Refractometers

COMMON FEATURES

- Robust metal construction.
- Excellent optical quality.
- Eye-piece with adjustable dioptic ring to compensate any visual sharpness.
- Easy to use, with direct easy to read scales.
- Adjustable calibration screw.
- Supplied complete with pouch, Pasteur pipette and screwdriver.

REFRACTOMETER FOR SALINITY ‰ AND DENSITY “C-1”

APPLICATIONS

For the investigation in clinical laboratories (solutions and dissolutions). Industry, food provisions (vegetables, fruit, fish and shell fish).

TECHNICAL SPECIFICATION

Automatic compensation

Temperature: 10 - 30 °C.

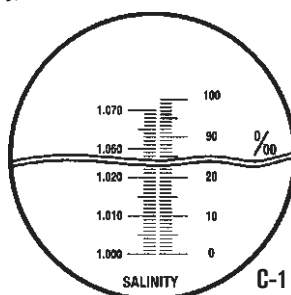
Salinity range: 0 to 100 ‰.

Division Scale: 1 ‰.

Density: 1000 - 1070.

Division scale: 0.001.

Part No. **5901001**



REFRACTOMETER BRIX% INDEX “C-2”, “C-3”, “C-4” AND “C-5”

APPLICATIONS

Concentrates of sugar in fruit, juices, gaseous drinks, milk, wine, industrial oils etc.

TECHNICAL SPECIFICATION

“C-2” Range Brix: 0 - 32 %.

“C-3” Range Brix: 28 - 62 %.

Division scale: 0.2 %.

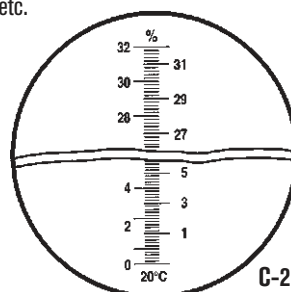
Precision ±0.2 %.

“C-4” Range Brix 0 - 10 %.

“C-5” Range Brix 0 - 18 %.

Division scale: 0.1 %.

Precision: ±0.1 %.



Part No.

5901002 Model C-2

5901020 Model C-2 with temperature compensation

5901003 Model C-3

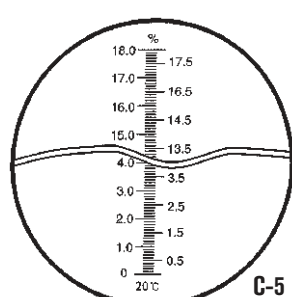
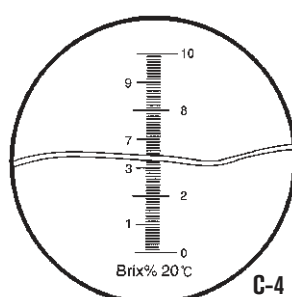
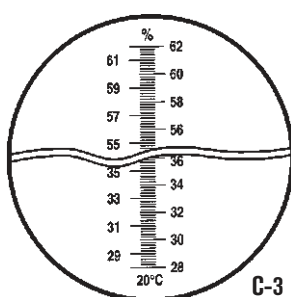
5901021 Model C-3 with temperature compensation

5901022 Model C-4

5901023 Model C-4 with temperature compensation

5901024 Model C-5

5901025 Model C-5 with temperature compensation



CLINICAL REFRACTOMETER 2 SCALES “C-6”

APPLICATIONS

Suitable for the determination of proteins, serum and specific gravity (density) of urine.

TECHNICAL SPECIFICATION

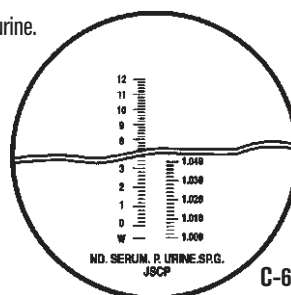
Proteins in serum: 1 - 12 g/100 ml.

Division scale: 0.2 g/100 ml.

Urine density: 1000 - 1040.

Division scale: 0.002.

Part No. **5901006**



APPLICATIONS

Model NR-151. Measurement of % Brix and refractive index n_D .

Ideal for concentrations of sugars in % Brix and the measurement of refractive index n_D . For fruit, juices, drinks, milk, wine, edible oils, food industry, chemicals, pharmaceutical, science, petrochemical, oils, lubricants etc.

Model NR-101. % Brix, refractive index n_D and % salinity.

Ideal for concentrations of sugar % Brix, measuring refractive index n_D and NaCl in % of salinity.

Ideal for fruit, juices, drinks, milk, wine, edible oils, food industry, chemicals, pharmaceutical, science, petrochemical, oils, lubricants etc.

COMMON FEATURES

Portable and easy to use.

Alphanumeric display.

Determinations using a high precision photo cell integrated to a CCD camera and digital image processor.

Chamber prism of anti corrosive stainless steel and lid.

Automatic temperature compensation (ATC) to 20 °C, with a sample temperature range from 5 to 40 °C.

Temperature selection °C or °F.

Calibration using distilled water.

Function selection limits and tolerable alarms.

Microprocessor with instant response.

Disconnects automatically if inoperable for 3 minutes.

Low voltage alarm.

Power supply 9V battery.

Operating temperature from 0 to 40 °C at up to 90% relative humidity and a maximum height of 2000 m above sea level.



Model NR-151



Model NR-101

MODELS	Part No.	Reading and Measurement	Measurement range	Measurement Resolution	Measurement Precision	Temperature Range	Temperature Resolution	Temperature Precision	Height/Width/Depth cm	Weight Kg
NR-151	5901012	Brix %	0.0 - 95.0%	0.1%	±0.1%	0 +40 °C 32 +140 °F	0.1 °C 0.2 °F	±1 °C ±2 °F	6 18 10	0.9
		Refraction index n_D	1.3330 - 1.5318 n_D	0.0001 n_D	±0.0002 n_D					
NR-101	5901013	Brix %	0.0 - 60.0%	0.1%	±0.1%					
		Refraction index n_D	1.3330 - 1.4419 n_D	0.0001 n_D	±0.0002 n_D					
		Salinity %	0.0 - 28.0 %	0.1 %	±0.1 %					

Comes complete with protective carry case, dosing burette, bottle of distilled water and a 9V battery.

Disk polarimeter “polar-2010”

LAURENT TYPE MODEL
SODIUM LAMP ILLUMINATION

NEW

APPLICATIONS

Designed for colleges and universities, chemical laboratories, pharmaceutical, clinics, cosmetics and food industry.

FEATURES

Vernier reading definition. Angle $\pm 0,05^\circ$.

Measuring range of optical rotation: $\pm 180^\circ$.

Rotation scale division: 1° .

Measuring lens 4x.

Ocular with dioptries adjustment.

Slide rack compartment length: for tubes up to 220 mm.

Monochromatic lamp wave length: 589,3 nm.

MODEL

Part No	External measurements cm. Height / Width / Depth			Consumption W	Weight Kg
5120210	32	43	14	20	5

