

## COMECTA 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.

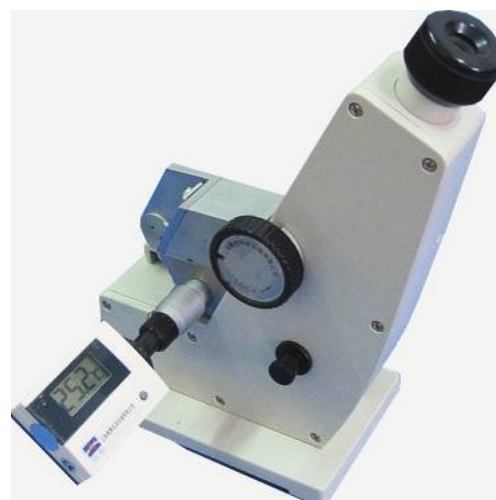
Precision  $n_D$ :  $\pm 0.0002$ .

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.



## COMECTA 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  $n_D$ :  $\pm 0.0002$

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.

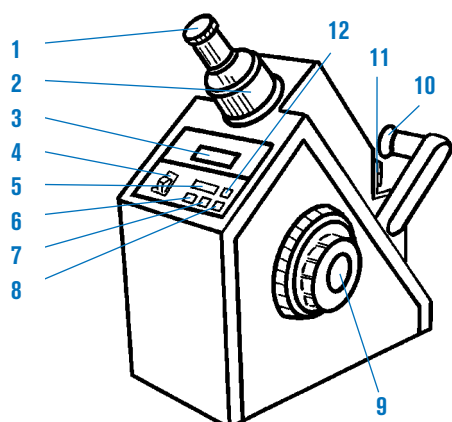
### Optimum precision



### MODEL

Part No.	Height / Width / Depth (exterior) cm	Power supply	Weight Kg
5901007	38 18 33	220V $\pm 20V$ 50/60Hz	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".