

COMECTA Melting point devices "IA-9100"

MODELS FOR ADJUSTABLE TEMPERATURES UP TO 400 °C.

BS EN ISO 9001



COMMON FEATURES

- Temperature chamber with a telescopic arm, foldable, and adjustable focus.
- Equipped with an 8x magnifying lens.
- Low voltage interior light of 12 V / 2.2 W.
- The viewing head is removable for easy cleaning.
- 12 mm high liquid crystal display.
- Holder for 100 capillary tubes (depends on model).
- Model IA-9100 for melting points between 45 and 400 °C, with a capacity for 3 capillaries of up to 2 mm diameter.

APPLICATIONS

Research and analysis: Testing and purity control post-synthesis. Pharmaceutical laboratories.

TECHNICAL DATA

Models	IA-9100
Code	5609100
Max. capacity for capillary tubes of 2 mm diameter.	3 units
Melting point memory	4
Batch memory	-
Temperature ramps	2 ramps: 1 at 1 °C/min and 1 at 10 °C/min for search
Chamber temperature range	from 45 to 400 °C
Digital thermometer range	from ambient to 400 °C
Thermometer resolution	0.1 °C
Thermometer accuracy at 23 °C ambient	1 °C/min with 2 mm diameter capillary: ±0.5 °C at 20 °C, ±1 °C at 350 °C ±1 digit
Power supply voltage	110/220V-50/60Hz
Consumption / Weight	45 W / 2.5 Kg
Height (closed/open) x Width x Depth cm	85/45 x 20 x 35



ACCESSORIES

- Capillary tubes of 1.5 mm diameter.*
Box of 10 packs of 100 units.
Code **5600150**
- Capillary tubes of 2 mm diameter.*
Box of 20 packs of 50 units.
Code **5600200**

COMECTA Portable digital refractometers "NR-101" and "NR-151"



APPLICATIONS

Model NR-151. % Brix and Refractive Index η_D .

Ideal for sugar concentrations % Brix and measuring Refractive Index η_D . Fruits, juices, beverages, milk, wine, oils, food, chemical, pharmaceutical, scientific, petroleum, oils, lubricants, etc.

Model NR-101. % Brix, Refractive Index η_D , and % Salinity.

Perfect for sugar concentrations % Brix, measuring Refractive Index η_D , and sodium chloride in % Salinity. Fruits, juices, beverages, milk, wine, oils, fish, seafood, aquariums, canning waters, food industry, chemical, pharmaceutical, scientific, petroleum, oils, lubricants, etc.

COMMON FEATURES

Portable and easy to use. Alphanumeric digital display. Measures using optical image detection with CCD camera-integrated photocells and digital image processing technique. Corrosion-resistant stainless steel prism tray and cover. Automatic Temperature Compensation (ATC) to 20 °C, within a sample temperature range of 5 to 40 °C. Temperature measurement in °C or °F. Calibratable with distilled water. Function to select tolerated alarm limits. Instant response microprocessor. Auto shut-off after 3 minutes of inactivity. Low voltage indicator alarm. Powered by a 9 V battery. Operating temperature from 0 to 40 °C at 90% relative humidity and a maximum altitude of 2000 m above sea level.



MODELS	Code	Reading and Measurement	Measurement Range	Measurement Resolution	Measurement Accuracy	Temperature Range	Temperature Resolution	Accuracy	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
		Refractive Index η_D	1.3330 - 1.5318 η_D	0.0001 η_D	±0.0002 η_D					
NR-101	5901013	Brix %	0.0 - 60.0%	0.1%	±0.1%					
		Refractive Index η_D	1.3330 - 1.4419 η_D	0.0001 η_D	±0.0002 η_D					
		Salinity %	0.0 - 28.0 %	0.1 %	±0.1 %					

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