Digital Refractometer 0-85% Brix MA-871

Code: MA-871 HSN: 90275020 GST: 18% Brand: AVAIN LABS









AVAIN LABS® Digital Refractometer 0-85% Brix MA-871

The AVAIN LABS® MA-871 Digital Refractometer is designed for high-precision, rapid measurement of sugar concentrations across a broad spectrum of liquid samples. With a wide measurement range of 0 to 85% Brix, this portable digital meter delivers accurate, reliable results in just 1.5 seconds.

Whether testing food, beverages, agricultural produce, or industrial solutions, the MA-871 ensures lab-grade accuracy with built-in Automatic Temperature Compensation (ATC) to eliminate manual adjustments.

Key Features

- Wide Brix Range: Measures concentrations from 0 to 85% Brix, suitable for fruit juices, soft drinks, jam, honey, and industrial fluids.
- Rapid Measurement: Delivers accurate readings in just 1.5 seconds.
- Automatic Temperature Compensation (ATC): Operates seamlessly between 10 to 40°C (50 to 104°F) to ensure consistent results regardless of environmental changes.
- High Precision LED Optics: Powered by a stable Yellow LED light source for consistent optical readings.
- Low Sample Volume: Requires a minimal sample size of only 100 µL.
- Dual Display Capability: Reads both sugar concentration (% Brix) and temperature (°C/°F) simultaneously.

Technical Specifications

Ideal Applications

- Food & Beverage Industry: Beverage bottling, fruit juices, syrups, jam production, and wine making.
- Agriculture & Farming: Determining optimal crop harvesting time by testing fruit sweetness levels.
- Laboratory & Research: Quality control and fluid concentration testing.

Specifications	
Measuring Range	Brix: 0 to 85% Brix Temperature: 0 to 80°C / 32 to 175°F
Resolution	Brix: 0.1% Brix Temperature: 0.1°C / 0.1°F
Accuracy	Brix: ±0.2% Brix Temperature: ±0.3°C / ±0.5°F
Light Source	Yellow LED
Measurement Time	1.5 seconds
Automatic Temp. Compensation (ATC)	10 to 40°C / 50 to 104°F
Sample Volume	100 µL
Power Source	1 x 9 V battery (9F22)

Available models (1)

Cat. No.	Model / Size	Measurin...	Resolution	Accuracy	Light sou...	Measure...	ATC	HSN
MA-871	0 to 85% Brix 0 to 80°C-32 to 175°F, 0.1% Brix 0.1°C-0.1°F, ±0.2% Brix ±0.3°C-±0.5°F, Yellow LED, 1.5 sec, 10 to 40°C-50 to 104°F, 100 µL, 1 x 9 V (9F	0 to 85% Brix 0 to 80°C-32 to 175°F	0.1% Brix 0.1°C-0.1°F	±0.2% Brix ±0.3°C-±0.5 °F	Yellow LED	1.5 sec	10 to 40°C-50 to 104°F	90275020

Scan for details & enquiry