



### New Artisan™ Digital Refractometers

**Portable design!  
Brix or nD readout!**

Artisan™ portable refractometers are ideal for monitoring fluid concentrations and fluid quality in a variety of applications. Digital display reduces the variation from reading analog meters. The popular Brix (sugar concentration) scale is standard.

Select the Brix or nD range to best meet your requirements. Automatic temperature compensation (ATC) improves the accuracy of the reading. Resistant to outside lighting.

These microprocessor-based instruments incorporate a simple calibration procedure to keep the meter working at its best. Select from three units with different Brix and nD ranges. Automatic shutoff after 3 minutes of non-operation saves battery life. Splash-resistant IP65 ABS case, batteries and manual. Low battery indicator. One year warranty.



Artisan™ HR220  
Portable Refractometer

#### APPLICATIONS

- Food Testing
- Sugar Testing
- Quality Control
- Medical Testing
- Plant Maintenance

#### SPECIAL FEATURES

- Digital display of Brix or nD
- Portable, battery-operated design
- ATC – Automatic Temperature Compensation
- Resistant to outside light
- °F / °C switchable
- Low battery indicator

#### SPECIFICATIONS

Measurement Range:			
Model	Range	Resolution	Accuracy
HR220B50	0 to 45%Brix	0.1%	±0.2%
	1.3330 to 1.4100 nD	0.0001	±0.0003
HR220B65	28 to 65%Brix	0.1%	±0.2%
	1.3770 to 1.4530 nD	0.0001	±0.0003
HR220B92	58 to 92%Brix	0.1%	±0.2%
	1.4370 to 1.5233 nD	0.0001	±0.0003
(all models)	0 to 40°C (32 to 104°F)	0.1°C (0.1°F)	±1°C (2°F)
Repeatability:	±0.2% Brix (±0.0003)		
Min. Sample size:	0.3ml		
Compensated Temp Range:	5 to 40°C (41 to 104°F)		
Operating Temp.:	0 to 40°C (32 to 104°F)		
Operating Humidity:	0 to 90% RH, non-condensing		
Storage Temp.:	-10 to 50°C (14 to 122°F)		
Auto shutoff:	after 3 min of non-operation		
Power:	2 x AAA(1.5V) Batteries (>5000 rdg)		
Dimensions:	147 x 67 x 38 mm (meter only)		
(L x W x D)	(5.8 x 2.7 x 1.5 in.)		
Weight (meter):	185 g (7 oz)		
Shipping Wt:	0.45 kg (1 lb)		

#### HR2200 Ordering Information

Part No.	Description
HR220-001	Meter (0 to 45%Brix) with battery.
HR220-002	Meter (28 to 65%Brix) with battery.
HR220-003	Meter (58 to 92%Brix) with battery.

#### For more information contact:

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