

## Refractometer for Sodium Chloride AMR101

The AMR101 is an optical instrument that employs the measurement of refractive index to determine sodium chloride concentration in aqueous solutions used in food preparation. It is not intended for sea water salinity measurements. The measurement of refractive index is simple and quick and provides the user an accepted method for NaCl analysis. Samples are measured after a simple user calibration with deionized or distilled water. Within seconds the instrument measures the refractive index of the solution. The digital refractometer eliminates the uncertainty associated with mechanical refractometers and is easily portable for measurements where you need them.

The instrument utilizes internationally recognized references for unit conversion and temperature compensation. It can display the measurement of NaCl concentration 4 different ways: g/100 g, g/100 mL, Specific Gravity, and °Baumé.

Temperature (in °C or °F) is displayed simultaneously with the measurement (on 3 of the ranges) on the large dual level display along with icons for Low Powder and helpful message codes.

### Key features include:

- Waterproof models offers IP65 waterproof protection
- Automatic Temperature Compensation (ATC)
- Battery operation with Low Power indicator (BEPS)
- Automatically turns off after 3 minutes of non-use.



Specifications					
	g/100 g	g/100 mL	Specific Gravity	°Baumé	°C (°F)
Range	0 to 28	0 to 34	1.000 to 1.216	0 to 26	0 to 80°C (32 to 176°F)
Resolution	0.1	0.1	0.001	0.1	0.1°C (0.1°F)
Accuracy	±0.2	±0.2	±0.002	±0.2	±0.3°C (±0.5°F)
Light Source	Yellow LED				
Measurement Time	Approximately 1.5 seconds				
Minimum Sample Volume	100 µL (cover prism totally)				
Sample Cell	Stainless Steel ring and flint glass prism				
Temperature Compensation	Automatic between 10 and 40°C (50 to 104°F)				
Case Material	ABS				
Enclosure Rating	IP65				
Battery Type/Life	1×9 volt AA batteries / 5000 readings				
Auto-Shut off	After 3 minutes of non-use				
Dimensions	19.2×10.2×6.7 cm (7.5×4×2.6")				
Weight	420g (14.8 oz.)				

