

## Digital Refractometer AMR100

The AMR serials refractometer is an optical instrument that employs the measurement of refractive index to determine the concentration in aqueous solutions. The method is both simple and quick.

Samples are measured after a simple user calibration with deionized or distilled water.

Within seconds the instrument measures the refractive index of the sample and converts it to % concentration units.

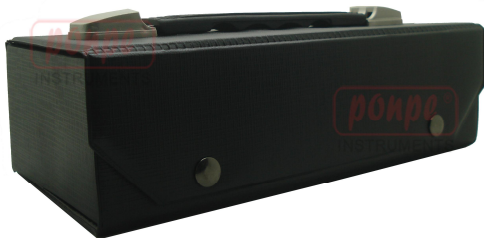
The AMR digital refractometer eliminates the uncertainty associated with mechanical refractometers and is easily portable for measurements in the field.

The measurement technique and temperature compensation employ methodology recommended in the internationally standard.

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

### Key features include:

- Dual-level LCD
- Automatic Temperature Compensation (ATC)
- Easy setup and storage
- Battery operation with Low Power indicator (BEPS)
- Automatically turns off after 3 minutes of non-use.



Specifications	
Range	0 to 85% Brix; 0 to 80°C / 32 to 175°F
Resolution	0.1% Brix; 0.1°C / 0.1°F
Accuracy	±0.2% Brix; ±0.3°C / ±0.5°F
Light Source	Yellow LED
Measurements Time	Approximately 1.5 seconds
Minimum Sample Volume	100µL (cover prism totally)
Sample Cell	SS 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	1 x 9V AA (included)
Battery Life	5000 reading
Auto-shut off	after 3 minutes of non-use
Dimensions	192 x 102 x 67 mm
Weight	420g