## **MA888**

## Digital Refractometer for Ethylene Glycol Measurements

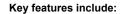
The MA888 is an optical instrument that employs the measurement of the refractive index to determine the % volume and freezing point of ethylene glycol based coolants

> The digital refractometer eliminates the uncertainty associated with mechanical refractometers and is easily portable for use in the field to optimize your cooling system.

The MA888 refractometer is an optical device that is simple and quick to use. Samples are measured after a simple user calibration with disor deionized water. Within seconds, the refractive index and temperature are measured and converted into one of two measurement units; % Volume or Freezing Point.

The instrument utilizes internationally recognized references for unit conversion and temperature compensation for ethylene glycol solutions (e.g. CRC Handbook of Chemistry and Physics, 87th Edition).

The temperature (in °C or °F) is also displayed on the large dual level display along with helpful message codes.



- · 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

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## **Stainless Steel Sample** Well and Prism

Place a few drops of the sample in the well and press the READ key.

## **Liquid Crystal Display** (LCD)

Dual Level LCD with Primary and Secondary Display.





**Ordering Information** 







Specifications	MA888	
Range	0 to 100% Volume	
CON.	0 to -50°C / 32 to -58°F Freezing Point	
	0 to 80°C / 32 to 176°F	
Resolution	0.1% Volume	
<b>Y</b>	0.1°C / 0.1°F Freezing Point	
*	0.1°C / 0.1°F	
Accuracy	±0.2% Volume	
	±0.5°C / ±1.0°F Freezing Point	
	±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	SS ring and flint glass prism	
Temperature Compensation	automatic between 10 and 40°C (50 to 104°F)	
Case Material	ABS	
Battery Type	1 x 9V AA (included)	
Battery Life	5000 reading	
Auto-shut off	after 3 minutes of non-use	
Packaging dimensions	268 x 122 x 118 mm	
Packaging weight	660 g	

 $\textbf{MA888} \ \text{is supplied in a carton box, complete with 9V battery, pipette and instruction} \\$ manual. Optionally you can also order the refractometers in a hard carrying case

