

MA888



Digital Refractometer for Ethylene Glycol Measurements

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Description

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 or antifreeze. 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 distilled or 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.

Key features include:

- Automatic Temperature Compensation (ATC)
- Battery operation with Low Power indicator
- Automatically turns off after 3 minutes of non-use.

Specification	MA888
Range	0 to 100% Volume 0 to -50°C Freezing point 0 to 80°C
Resolution	0.1% Volume 0.1°C Freezing point 0.1°C
Accuracy	±0.2 Volume ±0.5°C Freezing point ±0.3°C / ±0.5°F
Light Source	yellow LED
Measurements Time	approximately 1.5 seconds
Minimum Sample Volume	100 µL (cover prism totally)
Sample Cell	SS ring and flint glass prism
Temperature Compensation	0 to 40 °C / 32 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 / weight	268 x 122 x 118 mm / 660 g

Accessories:

- **MA752** Hard carrying case for digital refractometers

Ordering information:

MA888 instrument is supplied with:

- 9 V battery
- Instruction manual.