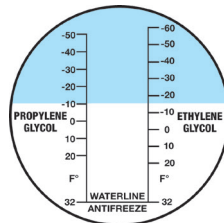




- Helps prevent costly freeze damage to equipment
- Determine freeze points of glycol solutions in seconds



Glycometer view

## Description

An accurate and economical tool for ensuring proper levels of glycol treatment in HVAC fluid systems. Removes guess work and prevents wasteful over-treatment. An essential tool for any glycol treatment job. All Glycometers have a metal body w/ cushioned eyepiece, focus adjustment, and a rubber hand grip. Included with each is a calibration screwdriver and calibration fluid, a plastic pipette, optical cleaning cloth, and a rugged carrying case.

## Application

The Glycometer is a glycol refractometer for measuring anti-freeze levels of propylene glycol or ethylene glycol in HVAC systems.

## Packaging

1 each

**Nu-Calgon #**

**61301**

**ClenAir #**

**GLY32**

## Directions

**Calibration** - Lift the prism cover and place a few drops of the included calibration fluid (or distilled water) on the prism. Close the cover onto the prism and gently press to spread the fluid and remove air bubbles. Allow the sample to sit for 20 to 30 seconds so the sample and the Glycometer are at the same temperature. Look through the eyepiece and note the bottom of the blue color line.

## Glycol Testing

### Glycometer™



The reading should be at or close to the 32° line. If it is not at 32°, use the included screwdriver to adjust the calibration screw (under the rubber boot) until the blue line is at 32°.

**Operation** - Obtain a sample of the glycol solution from the system being tested. Using the pipette, place a few drops of the solution onto the Glycometer prism. Place the cover down onto the prism and press gently to spread the sample and remove any bubbles or dry spaces. Allow 20 to 30 seconds so the sample and the prism are at the same temperature. Point the Glycometer toward a light and view through the eyepiece. The reading point is the bottom of the blue color shade. Freeze point readings begin at 32°F at the bottom of the screen and go upward for lower temperature readings. The scale on the left of the screen is for Propylene Glycol and the scale on the right is for Ethylene Glycol. The operator must know which type of glycol is being tested.

When finished, clean the prism using the included cloth. Do not pour water over the instrument as this could allow water inside and damage the instrument. The Glycometer is a precision instrument and should be handled with care. Do not touch or scratch the optical surfaces. Do not drop or shock the instrument. Store the Glycometer in a clean, dry, non corrosive environment.

### Propylene Glycol - Glycol Percentage Relative to Freeze Point

		Freezing Point						
Propylene Glycol Solution (%)	0%	10%	20%	30%	40%	50%	60%	
Temperature (F)°	32°	26°	18°	7°	-8°	-29°	-55°	

### Ethylene Glycol - Glycol Percentage Relative to Freeze Point

		Freezing Point						
Ethylene Glycol Solution (%)	0%	10%	20%	30%	40%	50%	60%	
Temperature (F)°	32°	23°	14°	2°	-13°	-36°	-70°	

