

The Reichert DIGITAL *Glycerin-Chek*



Why take chances? For precise reading of Glycerin coolant concentration, hydrometers just don't measure up. The **Reichert Digital Glycerin-Chek** accurately and effectively tests Glycerin coolant Freeze Point, Boiling Point, and % Concentration. This fast, simple test provides greater peace of mind for your customers while **increasing your service business**.

Our accurate digital tester performs three critical tests on the engine coolant:

**Get dependable
digital accuracy
in a three-in-one
tool!**



Measures Freeze Point of Glycerin coolant: The Reichert digital Glycerin-Chek's Automatic Temperature Compensation (ATC) provides immediate, accurate, and direct readings at ASTM D3321 standard of ± 1 degree F and ± 0.55 degree C. This ensures that the coolant has a low freezing point, so there are no engine block or radiator freeze-ups when the vehicle is not in operation during the cold winter months.



Measures Boiling Point of Glycerin coolant: The engine coolant raises the boiling point of water in a vehicle's cooling system. This guards against boil-overs, engine break-downs, and ensures that the cooling system is operating at peak efficiency (see back).



Measures % Concentration: Measures the exact concentration of the Glycerin and water mixture to ensure the engine coolant is at the correct chemical specification. Detect for either over-concentration or under-concentration of the coolant – either scenario will cause damage to engine components.



Fire Sprinkler Systems: The Reichert Glycerin-Chek can be used to measure the concentration of antifreeze formulation in wet fire sprinkler systems. An NFPA-compliant antifreeze should not exceed 48% Glycerin concentration (National Fire Protection Association).

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TECHNOLOGIES

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The Reichert DIGITAL Glycerin-Chek

SPECIFICATIONS:

Catalog Number	13940022 (Fahrenheit model) 13940023 (Celsius model)
Measurement Method	Digital Refractometer
Reading Scales	Glycerin Freeze Point, Boiling Point, Percent Concentration
% Concentration Range/ Accuracy	0 to 82% 0.2%
Freeze Point Range (F) (C) Accuracy (F) (C)	(32 to -50 deg F) (0 to -46 deg C) (1.0 deg F) (0.6 deg C)
Boiling Point Range (F) (C) Accuracy (F) (C)	(240 to 284 deg F) (115 to 140 deg C) (1.0 deg F) (0.6 deg C)
Calibration	Distilled Water
Automatic Temperature Compensation	68°F (20°C)
Illumination	589nm LED
Dimensions	54 x 27 x 100 mm / 2.1 x 1.1 x 3.9 inches
Weight	3.5 ounces (100 grams)
Comfort/Ergonomics	Detachable neck lanyard and rubber side grips for ease of handling
Power	2 AAA Batteries, included
Power Management	10,000 readings, Auto-Off Sleep Mode
Ratings	IP65 Dust proof/Water Resistant, CE, RoHS, and WEEE compliant.
Factory Warranty	One Year
Accessory Holster case	Catalog 13941000 (cell phone type available)

The basics of proper coolant control

In an internal combustion engine, a lot of heat is generated and some of it is absorbed into the engine. The engine runs best when the engine coolant is 200 degrees Fahrenheit or 93 degrees Celsius. At this temperature:

- The combustion chamber is hot enough to completely vaporize the fuel which provides better combustion and reduced emissions
- The oil used to lubricate the engine has a lower viscosity so the engine parts move more freely and the engine wastes less power moving its components
- Metal parts wear less

For the engine coolant to effectively do its job, it must have the correct concentration of the Glycerin and water. The concentration changes both the Freeze Point and the Boiling Point of the coolant.

The Reichert digital Glycerin-Chek – the fast, accurate, state-of-the-art choice over ineffective hydrometers and test strips.

Just how inaccurate are hydrometers?

- According to ASTM method D1124, the BEST accuracy that is achievable with a laboratory certified hydrometer in a controlled environment is +/- 8 degrees F. But, the field hydrometers commonly sold and used in the service industry are not laboratory certified and have been found to be **inaccurate by as much as +/- 23 degrees F.**

Just how accurate is the Glycerin-Chek?

- The Reichert Glycerin-Chek meets ASTM D3321 standard for measuring coolant freeze point using a refractometer. The ASTM standard specifies a required accuracy of +/- 1 degree F and +/- 0.55 degree C. Need we say more?

The digital Glycerin-Chek, the clear solution!

- The Reichert Glycerin-Chek is extremely economical to operate, providing 10,000+ measurements on two AAA batteries.

Reichert DIGITAL DEF-Chek®

Part#	Description
13940013	DEF-Chek® digital model (% Urea)



Reichert DIGITAL Multi-Chek®

Part#	Description
13940014	Multi-Chek® digital model (Fahrenheit)
13940015	Multi-Chek® digital model (Celsius)



Reichert DIGITAL Brake-Chek®

Part#	Description
13940016	Brake-Chek® digital model (Fahrenheit)
13940017	Brake-Chek® digital model (Celsius)



Reichert DIGITAL Glycerin, EG, PG-Chek

Part#	Description
13940022	Glycerin-Chek digital model (Fahrenheit)
13940023	Glycerin-Chek digital model (Celsius)
13940024	EG-Chek digital model (Fahrenheit)
13940025	EG-Chek digital model (Celsius)
13940026	PG-Chek digital model (Fahrenheit)
13940027	PG-Chek digital model (Celsius)



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