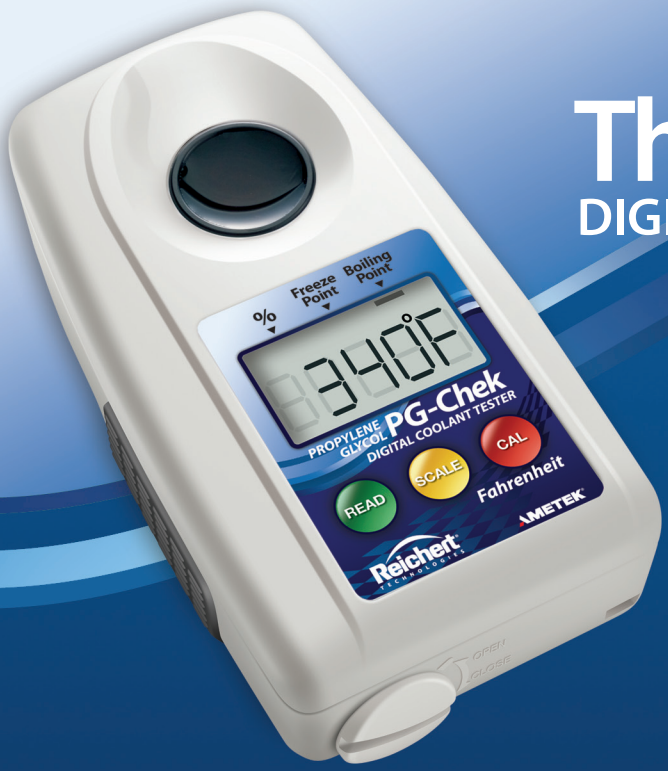
Applications: Engine Coolant • Fire Sprinkler Systems



The Reichert DIGITAL PG-Chek

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

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

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

Measures Freeze Point of PG coolant: The Reichert digital PG-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 PG 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: Measure the exact concentration of the Propylene Glycol and water mixture to ensure the engine coolant is at the correct chemical specification. Detects for over-concentration or under-concentration of the coolant – either scenario will cause damage to engine components.

Fire Sprinkler Systems: The Reichert PG-Chek can be used to measure the concentration of antifreeze formulation in wet fire sprinkler systems. An NFPA-compliant antifreeze should not exceed 38% Propylene Glycol concentration (National Fire Protection Association).

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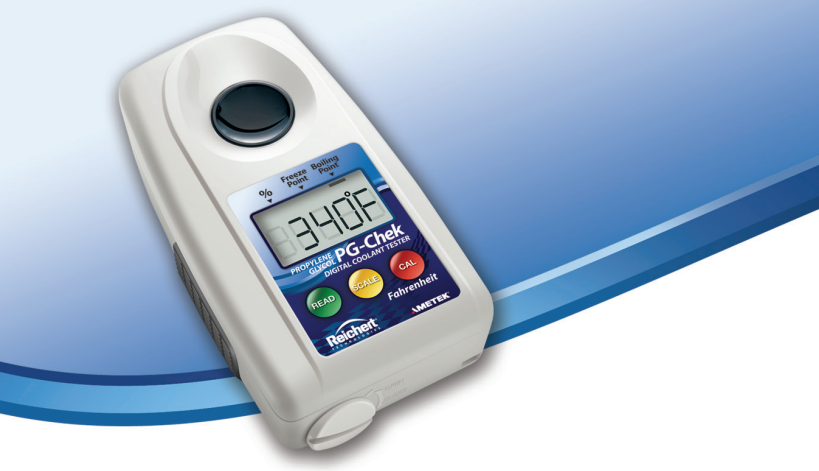

The Reichert DIGITAL PG-Chek

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 Propylene Glycol and water. The concentration changes both the Freeze Point and the Boiling Point of the coolant.

The Reichert digital PG-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 PG-Chek?

- The Reichert PG-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 Reichert digital PG-Chek, the clear solution!

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

SPECIFICATIONS:

Catalog Number	13940026 (Fahrenheit model) 13940027 (Celsius model)	
Measurement Method	Digital Refractometer	
Reading Scales	PG Freeze Point, Boiling Point, Percent Concentration	
% Concentration Range/ Accuracy	0 to 95% 0.2%	
Freeze Point Range (F) (C) Accuracy (F) (C)	(32 to -60 deg F) (1.0 deg F)	(0 to -51 deg C) (0.6 deg C)
Boiling Point Range (F) (C) Accuracy (F) (C)	(242 to 345 deg F) (1.0 deg F)	(117 to 174 deg C) (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)	

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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