

The Reichert DIGITAL *Multi-Chek*®



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

Why take chances? For precise reading of coolant concentration, hydrometers just don't measure up. The Reichert Digital *Multi-Chek*® accurately and effectively tests coolant - both ethylene and propylene glycol - as well as battery charge and windshield fluid. The instrument provides an accurate digital tool for your convenience, your customers' peace of mind, and **increased profits for your shop.**



One accurate tester performs three critical tests. Test coolant, battery, and windshield fluids.



Coolant tester

- Coolant tester tests engine coolant freeze point EG and PG concentration.
- Automatic Temperature Compensation (ATC) provides immediate, accurate, direct readings at **ASTM D3321 standards of $\pm 1^\circ \text{F}$ and $\pm 0.55^\circ \text{C}$.**



Battery tester

- Fast and easy test of battery electrolyte, specific gravity, and condition.



Windshield fluid tester

- Push button safety test for washer fluid freeze point.





**Peace of mind for your customers.
Increased profit for your shop.**

With the simple push of a button, the Reichert Digital **Multi-Chek**[®], the world's smallest handheld tester, will quickly and accurately provide you and your customer with ASTM standard readings for critical coolant, battery and windshield fluids.

Improper concentrations (high and low) of glycol coolants/anti-freeze will result in inadequate freeze protection and general corrosion of materials in contact with glycol. Glycol is designed to work at its best efficiency when properly mixed at its correct concentration level. Under-concentrated glycol will result in frozen/burst pipes and engine blocks. With batteries, an improper electrolyte level will result in a dead battery cell. Improper concentrations of windshield wiper fluid could result in hazardous slushing and washer freeze-ups.

**The Reichert Digital Multi-Chek[®]...
the fast, accurate, state-of-the-art alternative to
hydrometers and test strips.**

Just how inaccurate are hydrometers?

- According to ASTM method D1124, the BEST accuracy that is achievable with a laboratory tested hydrometer in a controlled environment is $\pm 8^\circ$ F. But, the field hydrometers commonly used in the service industry are not certified and have been tested and found to be inaccurate by as much as $\pm 23^\circ$ F.

Just how accurate is the Multi-Chek?

- The Reichert Digital **Multi-Chek**[®] meets ASTM D 3321 engine coolant freeze point refractometer method standards for accuracy of $\pm 1^\circ$ F and $\pm 0.55^\circ$ C. Need we say more!

SPECIFICATIONS:

| | |
|------------------------------------|--|
| Catalog Number | 13940014 (Fahrenheit model) 13940015 (Celsius model) |
| Measurement Method | Digital Refractometer |
| Reading Scale | EG Coolant (Freeze Point) PG Coolant (Freeze Point) Battery (Electrolyte Specific Gravity) Windshield Wash (Freeze Point) |
| Measurement Ranges (F) (C) | |
| EG | 32° thru -70°F / 0° thru -57°C |
| PG | 32° thru -60°F / 0° thru -51°C |
| Battery | 1.000 - 1.463 SG |
| Windshield Wash | 32° thru -65°F / 0° thru -54°C |
| Accuracy (F) (C) | |
| EG | +/- 0.5°F / 0.3°C |
| PG | +/- 0.5°F / 0.3°C |
| Battery | +/- 0.003 SG |
| Windshield Wash | +/- 2°F / 1°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) |



MERCOFRAMES OPTICAL CORP
5555 Nw 74 Ave. Miami, FL 33166
www.mercoframes.net
ale@mercoframes.net