



# DIGITAL The Reichert *Brake-Chek*®

Peace of mind for your customers.  
Increased revenue for your shop.

***Digitally test fluid for optimal braking power.***

Over time, brake fluids will take on water, break down, and compromise the safety of the brake system. The Reichert Digital *Brake-Chek*® tests brake fluid in seconds—right at the calipers for the most precise measurement of brake fluid integrity. This fast, simple test provides greater peace of mind for your customers while increasing your service business. **Just one fluid flush per day could provide up to an additional \$15,000 annual revenue for your shop.**



#### KEY FEATURES:

- Quick, automatic digital measurements
- Economical to operate, 10,000+ measurements on two AAA batteries
- World's smallest handheld brake fluid tester
- Test brake fluid without boiling
- Only small sample of brake fluid needed for results
- No messy cleanup



#### Reichert Digital *Brake-Chek*®: state-of-the-art accuracy for safe brakes.

In seconds, the Reichert tester accurately measures brake fluid to detect its boiling point, allowing you to determine whether the fluid will do its job in the braking system. The world's smallest brake fluid testing device, it offers quick, automatic digital measurement in seconds and is extremely economical to operate, providing over 10,000+ measurements on two AAA batteries.

[www.ReichertAutoTech.com](http://www.ReichertAutoTech.com)

**Reichert**®  
TECHNOLOGIES

*Analytical Instruments • Automotive & Truck*



# The Reichert DIGITAL **Brake-Chek**<sup>®</sup>

The fast, accurate, state-of-the-art alternative to boiling testers and test strips.

## Leave the science to Reichert. The Digital **Brake-Chek**<sup>®</sup>, the clear solution!

• With the simple push of a button, the Reichert Digital **Brake-Chek**<sup>®</sup>, the world's smallest handheld tester, will quickly and accurately provide you and your customer with critical brake fluid boiling point data.

### When water content in brake fluid increases...

#### 1. The boiling point decreases

Fluid with a reduced boiling point can create a vapor by boiling in the wheel cylinder. Normally this could happen under adverse conditions such as braking down a long steep grade or with stuck brake pads. Under these conditions rotor temperatures can climb high enough to boil brake fluid with high water content. Stepping on the brake pedal will now only compress the vapor instead of applying force to the pad. The result is sudden brake failure. DOT 3 Fluid with no moisture content boils at greater than 401°F (205°C) as specified by DOT Standard 116. The fluid in a 3 to 4 year old car with 3 to 4% moisture content could boil at less than 300°F (149°C).

#### The dry boiling points for the brake fluid classes are:

Fluid Type	Dry Boil Point
DOT 3	401 °F/205°C
DOT 4	446°F/230°C

#### 2. The viscosity increases

Brake Fluid must flow freely to be effective. In extremely cold weather brake fluid with high water content is very viscous, causing slow pedal response and requiring more effort.

#### 3. Corrosion problems can occur

Water in brake fluid can contribute to the corrosion of parts such as the steel pistons and ABS modulators.

### SPECIFICATIONS:

Catalog Number	13940016 (Fahrenheit model) 13940017 (Celsius model)
Measurement Method	Digital Refractometer
Reading Scale	Boiling Point for DOT3, DOT3HT (High Temperature), DOT4, DOT4 Plus
Boiling Point Range (F) (C)	DOT3 (250-500 deg F) (121-260 deg C) DOT3HT (250-570 deg F) (121-299 deg C) DOT4 (257-527 deg F) (125-275 deg C) DOT4 Plus (302-527 deg F) (150-275 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**<sup>®</sup>

Part#	Description
13940013	DEF-Chek <sup>®</sup> digital model (% Urea)



#### Reichert DIGITAL **Multi-Chek**<sup>®</sup>

Part#	Description
13940014	Multi-Chek <sup>®</sup> digital model (Fahrenheit)
13940015	Multi-Chek <sup>®</sup> digital model (Celsius)



#### Reichert DIGITAL **Brake-Chek**<sup>®</sup>

Part#	Description
13940016	Brake-Chek <sup>®</sup> digital model (Fahrenheit)
13940017	Brake-Chek <sup>®</sup> 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)



Analytical Instruments•Refractometers



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