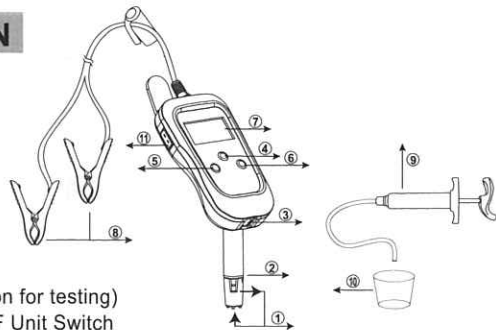


## INTRODUCTION

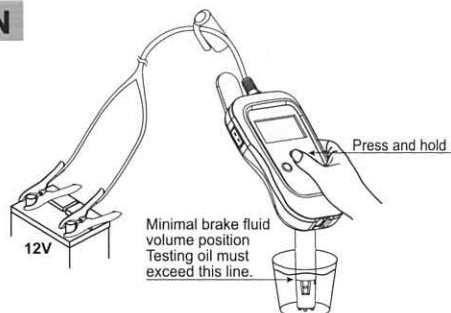
This tester can measure the boil point of the brake fluid. It can measure the wet boiling temperature of the brake fluid for technician as a reference for maintenance. It can be the reference when technician is going to change the brake fluid. Besides the brake fluid, user can also measure the temperature of other fluid by connecting the tester with K-type thermocouple.

## PRODUCT DESCRIPTION



- ① Brake fluid cycle path
- ② Minimal brake fluid volume position
- ③ Illumination
- ④ Start button (Press and hold this button for testing)
- ⑤ °C / °F Switch ; Press Instantly: °C / °F Unit Switch  
Press & Hold: Switch between Thermocouple / Brake Fluid Testing Probe
- ⑥ SAVE Switch ; Press Instantly: Read Five Recently Saved Brake Fluid Boiling Temperature  
Press & Hold: Save Current Brake Fluid Boiling Temperature
- ⑦ LCD
- ⑧ Power clip (Red to positive, black to negative)
- ⑨ Brake fluid pipet
- ⑩ Measuring cup
- ⑪ K-type thermocouple socket

## OPERATION



## SPECIFICATION

Power: 12V automotive battery  
 Testing current: 5 ~ 7A  
 Working Environment: 0 ~ 50°C  
 Measurement range of brake fluid: ≤320°C (≤608°F)  
 Measurement range of K-type thermocouple: -60°C ~ 500°C (-76°F ~ 932°F)

## INSTRUCTION OF BRAKE FLUID TESTING

### ABOUT BOILING POINT

Brake Fluid Type	DOT 3	DOT 4	DOT 5.1
Dry Boiling Point	≥ 205°C	≥ 230°C	≥ 260°C
Wet Boiling Point	≥ 140°C	≥ 155°C	≥ 180°C

1. Wet boiling point is the reference temperature for changing the brake fluid.
2. Dry boiling point is the reference temperature for new brake fluid.
3. Testing accuracy of the tester: ±5%.

## INSTRUCTION OF K-TYPE THERMOCOUPLE

1. Use standard K-type thermocouple
2. Measurement range -60°C ~ 500°C
3. Measurement accuracy -20 ~ 500°C ± (1%+3digital)  
-60 ~ -20°C ± (1%+5digital)

## TESTING THE BRAKE FLUID

1. Suggest battery voltage between 12 ~ 13V.
2. Make sure power clips are connected tightly with correct polarity before any measurement.
3. When the device connecting with vehicle battery, the device will turn on automatically. The initial function is A; if it is B, press and hold °C / °F switch for 3 seconds to switch back to function A (A shall appear on LCD).
4. Both "Brake fluid cycle paths" must be immersed into the brake fluid. Make sure the brake fluid level is higher than the "Minimal Brake Fluid Volume Position".
5. Press and hold the "Start Button" to test the brake fluid. Please keep the Brake Fluid Testing Probe perpendicular with the brake fluid during the test.
6. If "wait cool" appears on the LCD, please wait for the heating wire to cool down before next test.
7. User can use the "Brake fluid pipet" to draw some brake fluid into the measuring cup for testing.

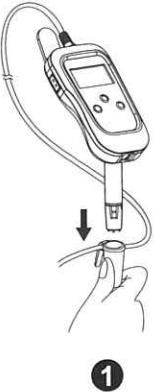
### ⚠ CAUTION

- After the testing, please wait at least 3 seconds for heating wire to cool down before take testing probe out of the brake fluid.
- Avoid the shaking and smashing of the testing probe, especially after the test.
- If the tester doesn't use for a while, due to the residue on the sensor from last test, please test twice to obtain a more accurate reading from second test.
- Please shake the brake fluid before draw it for the boiling temperature test.

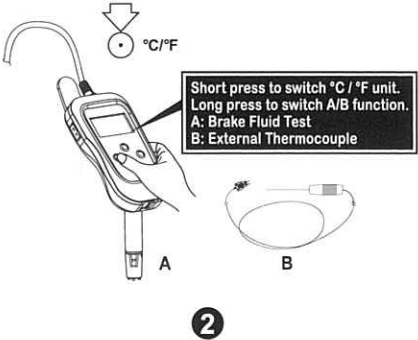
## MEASURING WITH THERMOCOUPLE

1. Connecting the device with vehicle battery; if the function is A, press and hold °C / °F switch for 3 seconds to switch to function B (B shall appear on LCD).
2. Connecting the K-type thermocouple with the tester to start the measurement.
3. During function B, if K-type thermocouple is not connecting with the device, or if the measured temperature is higher than 500°C, "Hi" will appear on LCD.
4. During function B, if measured temperature is lower than -60°C, "Lo" will appear on LCD.

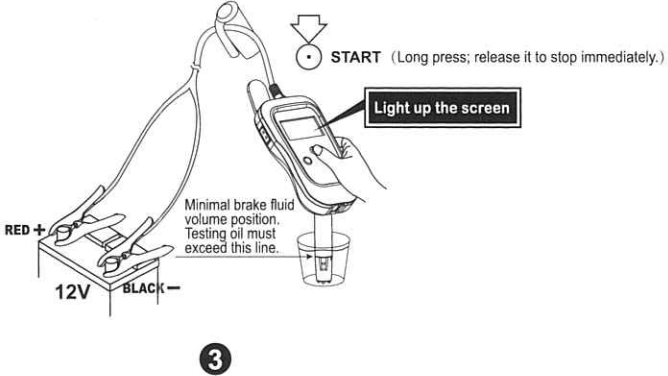
## OPERATION



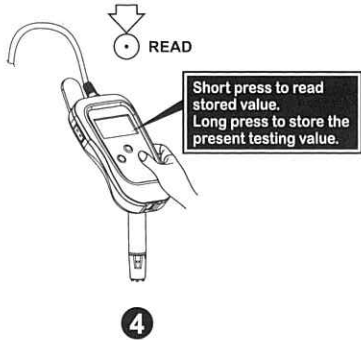
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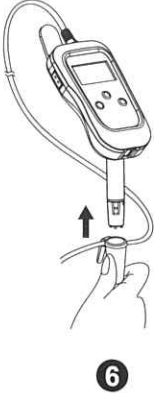
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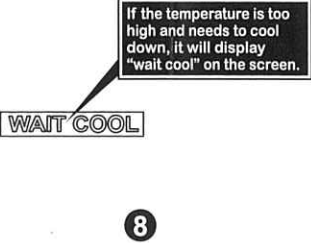
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