

Brake Fluid Safety Meter

..from the market leaders in brake fluid testing technology

The Liquid Levers Brake Fluid Safety Meter enables you to clearly demonstrate to your clients that brake servicing is required, which in turn helps you to access the margins available from fluid replacement.

Easy to use -
just press the test
button and leave

Easy to read - after
approx. 10 seconds
you and your client
can see the boiling point
and therefore the
condition of the fluid

Accurate and Reliable -
clearly indicates the fluid
condition time after time

Specifications

Accuracy above 100°C-180°C	1% typical, 3% maximum
Display type	12.5mm red LED figures
Test Time	Approx 10 seconds
Cool down time after 3 tests	2 mins minimum
Brake fluid compatibility	DOT3, DOT4, DOT 5.1 (i.e. all known)
Max fluid test temp.	260°C (500°F)
Boiling point display	°C or °F
Storage temperature range	25°C to +85°C
Relative humidity	10% to 85% non condensing

Calibration can be checked by
the user on site using distilled
water. (100°C/212°F)



Liquid Levers Innovations Brake Fluid Safety Meter

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Changing brake fluid is often thought of as time consuming and tricky, but it is also an excellent way to improve the margins on servicing. A recent survey has highlighted that 80% of cars need their fluid changed, which represents a considerable profit potential.

Liquid Levers Innovations, market leaders in brake fluid testing technology have introduced a new generation of brake fluid safety meters that are unbeatable for accuracy, safety and cost effectiveness. The new meters are user-friendly and specifically designed for the MOT market, already complying with proposed European legislation. They are available in two basic versions, 12v (from the vehicles battery) and an internal rechargeable battery pack. The position of master cylinders often hinders accurate measuring of fluids but our safety meters can test at angles of up to 30° from vertical, at a minimum depth of 19mm and brake fluids with boiling points of 260°C. A large, clear digital display gives the fluid temperature, readable at a distance of 5 metres, easily seen by the customer from the MOT viewing area.

***See Graph of deteriorating brake fluid and DOT table**

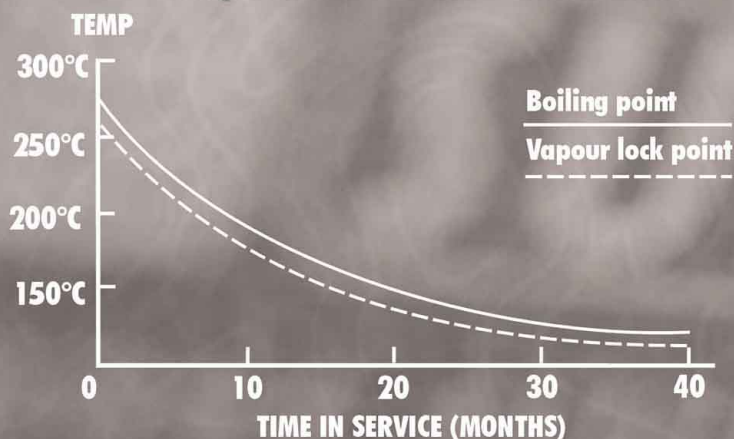
Vehicle manuals usually specify the required brake fluid performance level, as shown in the table. Brake fluid manufacturers recommend that a safety margin of +10% should always be allowed.

The initial boiling point of new brake fluid is around 260°C, however over a period of time, through moisture absorption, this boiling point falls. When a vehicle brakes, considerable heat is produced by the brake pads and discs. This necessitates brake fluid having a high boiling point.

If the brake fluid absorbs substantial moisture then the boiling point will reduce to a level which, if a period of sustained braking occurs, could result in a partial or even total brake failure.

Unlike engine oil, which should be changed according to the distance driven, brake fluid deteriorates with time as it continues to absorb moisture even when the vehicle is stationary. Moisture within the braking system can cause corrosion and subsequent premature failure of parts such as Calipers and Master Cylinders. Brake fluid renewal greatly increases their lifespan.

Graph of Brake Fluid Deterioration



SPECIFIED FLUID	MINIMUM "WET" BOILING POINT
DOT 3	140°C/284°F
DOT 4	155°C/311°F
SUPER DOT 4	180°C/356°F
DOT 5	180°C/356°F

Dealers details

