



- Brake Maintenance
- Hydraulic Devices
- Wheel Alignment
- Tyre Service
- Engineering

Order-No.: **4512**

Type: **AQUA 12 DIGI**



With the AQUA 12 – DIGI the quality of the brake fluid is determined. The exact boiling point of the brake fluid is measured. If the actual boiling point surpasses a certain limit, the brake fluid has to be changed, because of that the functionality and the reliability of the hydraulic brake system is guaranteed. This is valid especially for antilock system.

**Description:**

With the AQUA 12 – DIGI, a brake-fluid probe in a closed pressure cell is heated up to a particular temperature. Depending on the state of the brake fluid, the pressure increases in the measuring cell. Over the so-called steam pressure, the quality of the brake fluid is then valued at a constant temperature. Therefore the measuring simulates exactly the conditions, which exist in the wheel-brake cylinder.

The more steam develops in the wheel-brake cylinder by heating up due to the brake friction the larger the danger of vapor locks and the failure of the brake system in the extreme case becomes. The vapor-lock is favored by consumption of water or humidity from the air the brake fluid i.e. diffusion at the brake cups, by fouling, as well as by corrosion of the brake system. With AQUA 12 – DIGI all this faults are noticed in contrast to the common measuring methods. Often only the electrical conductivity of the brake fluid is measured. The exact measuring procedure and the measuring result are indicated at a display (LCD). The measuring result is transferred easily via a RS 232 interface to a PC or laptop for a print out.

- no vaporization of the brake fluid due to closed pressure cell
- brake fluid changes during the maintenance intervals at insufficient boiling point of the brake fluid
- simplest operation
- no measuring of electrical conductivity
- indication of the measuring procedure and result on LCD
- no inhalation of glycol steam by operator
- solid construction suited for workshops
- printing option via serial RS 232 interface from the PC or laptop
- quick measuring results
- contribution to the driving safety

**Technical Data:**

Electrical connection: 230 V/50 Hz

Operating temperature: 0° – 50° C

Dimensions (LxWxH) in mm: 210 x 270 x 245

Weight: approx. 4.4 kg

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**Scope of delivery:**

Measuring device AQUA 12 – DIGI with catch reservoir, 10 removal pipettes, 1 RS 232 interface cable and 1 CD (transfer software to the computer).

**Accessory:**

10 replacing pipettes with cannula (46101)

100 replacing pipettes (46102)

**Modifications and errors reserved, 03/01/2009**