

we invent solutions

we develop customized solutions from idea to production and beyond

## Project details: Battery Operated Brake Fluid Tester with Bluetooth transmission for evaluation so

### Industries

- Software Development, Bus Systems and Radio; Measurement, Control and Regulation Technology

### Technology fields

- Automotive, Testing and Measuring Technology

### Project requirements

- The aim of the project was the development and production of a brake fluid tester with a fully automatic test run for the automotive industry. With the help of the tester can be judged whether the brake fluid continues to fulfill its function, or whether it has to be substituted. To measure the values, the boiling point method was selected. The power supply as well as the transfer of the evaluated measurement data to a PC is made without cables. With the additional LCD display on the Brake Fluid Tester, the temperature can be read directly. The connection of different sample needles is possible.
- This project was realized with our partner MAHA Maschinenbau Haldenwang GmbH & Co.KG.

### Facts / Highlights

- Temperature display in ° C or ° F
- Status display via LEDs
- Analysis software for PC
- Bluetooth and rechargeable batteries for wireless operation
- RS232 debug interface
- Luer connector enabling fast needle exchange
- Standby mode
- Handy and compact design

### Services of KNESTEL

- Potential analysis, target price estimate, project management, requirements specification, project planning, development of software and hardware, electrical and mechanical construction of the MSR unit, EMC testing, prototyping, serial production

### Possible applications

- Quality measurements of liquids that change its boiling point by absorbing water.

