THE TOOL

BRAKESENSE

Measuring the feeling of the brake pedal

The tool BrakeSense measures defined brake applications by obtaining brake pressure, pedal force, pedal displacement, speed and deceleration.

Frontend — USB — **Gateway** — UDS/CAN / ADC — **Vehicle**

It displays the results in relevant diagrams and makes it easy to compare brake systems.

> SENSORS

Brake pressure, speed and deceleration values are read via diagnostic services (UDS on CAN) using the standard OBD connector.

Pedal force and pedal travel values are read from external sensors connected to wiCore2's ADC.

> SCRIPTS

Scripts are running the whole test flow on the gateway wiCore2. This covers collecting, filtering and evaluation of the measured values.

You start a test at the Frontend, wiCore2's scripts run the test and deliver the final data to the Frontend, where the results are displayed.

Scripts are also providing live values outside of any test.

> FRONTEND

The Frontend is a tailor-made windows application (C#/.NET) running on a Windows notebook or tablet. It connects to wiCore2 wireless.

The Frontend executes, handles, visualizes and compares tests and creates measurement reports.