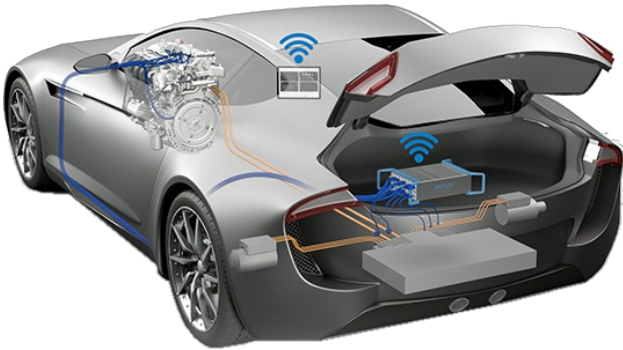


DIAGNOSTIC SYSTEM

For in-vehicle engine development

Kistler relaunches its Kibox as a modular and extendable powertrain diagnostics platform for engine development. The Kibox2 provides two CAN FD interfaces.



The Kibox2 is suitable for in-vehicle and test bench use (Source: Kistler Group)

The diagnostic platform is suitable for conventional, electric, and hybrid powertrain analysis. It offers time- and angle-based data recording, real-time calculation of combustion parameters, limit value monitoring, etc. The DC power supply options are optimized for in-vehicle measurement applications. A standalone operation without a host PC is possible. Wireless connectivity includes WLAN (wireless local area network), hotspot capability, and GPS (global positioning system).

The platform is backward compatible with the Kibox and is extendable with software upgrades. The Kibox Cockpit software is used for parametrization, visualization, and analysis enabling connection to third-party devices. The user experience is enhanced by a guidance with voice control and audio feedback.

An improved signal conditioning for the crank angle sensor, two

CAN FD interfaces, and the option of cascading up to four Kibox2 units are the further added features. The CAN FD interfaces are accessible via 9-pin D-Sub connectors. Implemented transceivers support bit-rates up to 8 Mbit/s, claims the manufacturer.

Janko Meier, Product Manager Systems at Kistler, concludes: „The new Kibox2 is a paradigm shift for propulsion system measurement, leveraging the competences of the Kistler Group, to provide a complete, efficient powertrain diagnostic and optimization solution.”

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