



**Guaranteed
Data Quality for
Crash Tests**

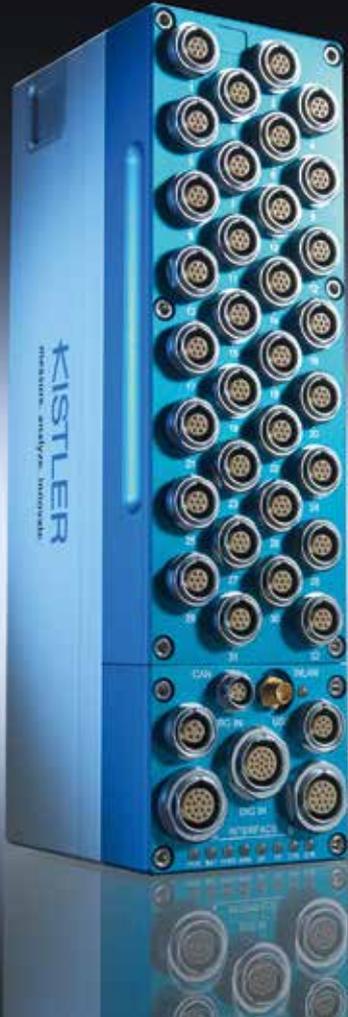
Next-Generation Crash Test Data Acquisition

As safety demands of modern vehicles are growing steadily, safety systems are becoming increasingly more complex. This requires measurement technology that meets highest quality standards. The Kistler Data Acquisition Unit (KiDAU) and the Crash Recorder 375.XX mark the next generation for crash test measurement.

www.kistler.com/vehicle-safety

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measure. analyze. innovate.



Kistler Data Acquisition Unit

Kistler's reliable Data Acquisition Unit (KiDAU) provides unprecedented flexibility and user-friendliness thanks to its exchangeable sensor distribution (SD) panel attachment and wireless operator control.

The KiDAU combines compact design (231x64x70,5mm) with low weight (1.7 kg) to reduce the amount of space needed for data acquisition in the car. For the first time, the entire SD panel can be removed and replaced. This makes it compatible with a wide range of connectors and obviates the need for power adapters. The potential risk of data loss due to adapter, cable damage, or poor connections is minimized. The on-board data acquisition system is equipped with 32 analog and 16 digital measuring channels.

Kistler's 'CrashDesigner' crash test data acquisition software makes operation of the KiDAU particularly user friendly, since cable-free communication is possible and configuration, control, and data readout can all be performed via Wireless LAN.

Key-Features

- Exchangeable SD panel
- Wireless LAN functionality
- 32 analog, 16 digital standard measuring channels
- Autonomous battery power up to 25 min.
- Max. data storage at 100 kHz
Sampling rate is 100 s per channel

Benefits

- Saves space
- User-friendly operation
- Guaranteed data quality
- Supreme reliability through minimizing cable damage

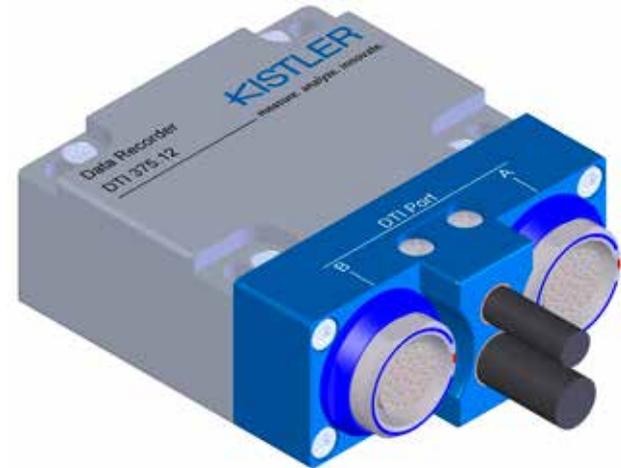
Crash Recorder 375.XX

The new Crash Recorder 375.XX has an innovative Start-Record function. The compact, in-dummy solution ensures absolute error-free recording and storage of the data.

The Crash Recorder 375.XX incorporates directly into the crash test dummy thanks to its small dimensions of 43x56 mm. This enables a convenient, 1-system cable solution to the outside. Extensive cable bundles for data acquisition are a thing of the past.

With its new Start-Record function, the data acquisition starts simultaneously with all other systems in the crash test before the Trigger Event (TNull Event) occurs. This ensures that all data is acquired even if the trigger is lost.

The Crash Recorder 375.XX is available as a 4-, 8- or 12-port version, providing either 48, 96 or 144 measuring channels. The device is compatible with software packages 'DTI Control' and 'CrashDesigner'.



Key-Features

- Start-Record function
- In-dummy installation
- 48, 96 or 144 measuring channels

Benefits

- Guaranteed data protection
- Convenient wiring
- Compatible with 'DTI Control' and 'Crash Designer'

About the Kistler Group

Kistler is the global leader in dynamic pressure, force, torque, and acceleration measurement. Customers benefit from Kistler's experience as a development partner, enabling them to optimize their products and processes so as to secure sustainable competitive edge. With some 1 500 employees at 56 facilities worldwide, the Kistler Group posted revenue of USD 341 million in 2015.

