

KISTLER

measure. analyze. innovate.



**Digitize
Synchronize
Optimize**

Measuring Made Easy

Measuring Solutions with Kistler's DTI Technology
for Vehicle and Tire Testing.

Make Testing Leaner, Faster and Simpler – with Kistler's DTI Technology

Plug in and start measuring! With Kistler's new Digital Transducer Interface (DTI) technology, a single end-to-end bus wiring system is all that is required to take the measurement signal from every sensor to the data recorder. DTI converts each signal into a unique, time stamped digital output either directly in the Kistler DTI sensors, or via suitable Kistler DTI converters – located at the sensor - for use with any existing sensors.

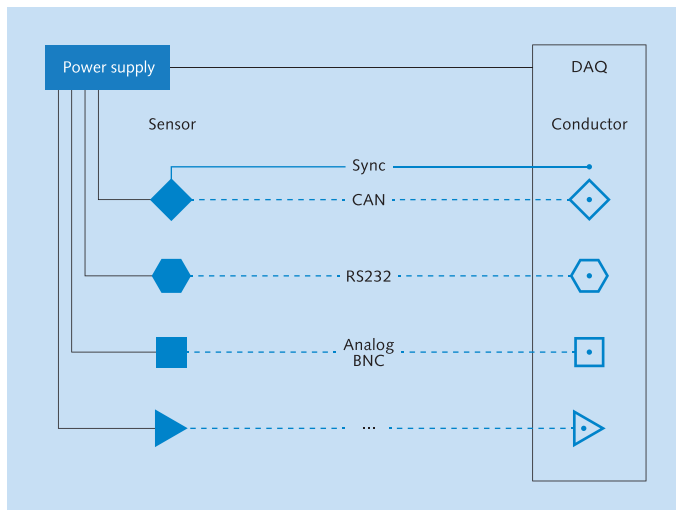
The sensor data is collected at the central Kistler DTI logger and transmitted via Ethernet to your laptop for on-site evaluation. A single cable is all that is needed to configure the sensors, transmit and synchronize the measurement data and to supply power. Test setup is simpler than ever before thanks to automated sensor detection, where the installation position, calibration values and relevant physical parameters are detected automatically by the KiCenter (Kistler measuring software). All the sensors and recording parameters can be configured in the easy to use display – so maximum process reliability and efficient use of time are ensured.

Simple, efficient and space-saving

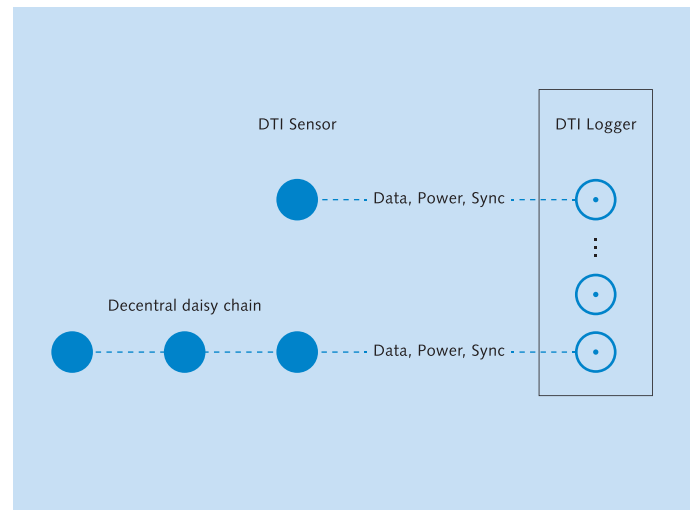
- One cable for data, synchronization and power supply
- Decentral data acquisition option
- Highly reliable mating connectors
- Compatible with existing sensors with straightforward upgrade options

From Analog to Digital – with One Cable for All Connections

Existing Sensors

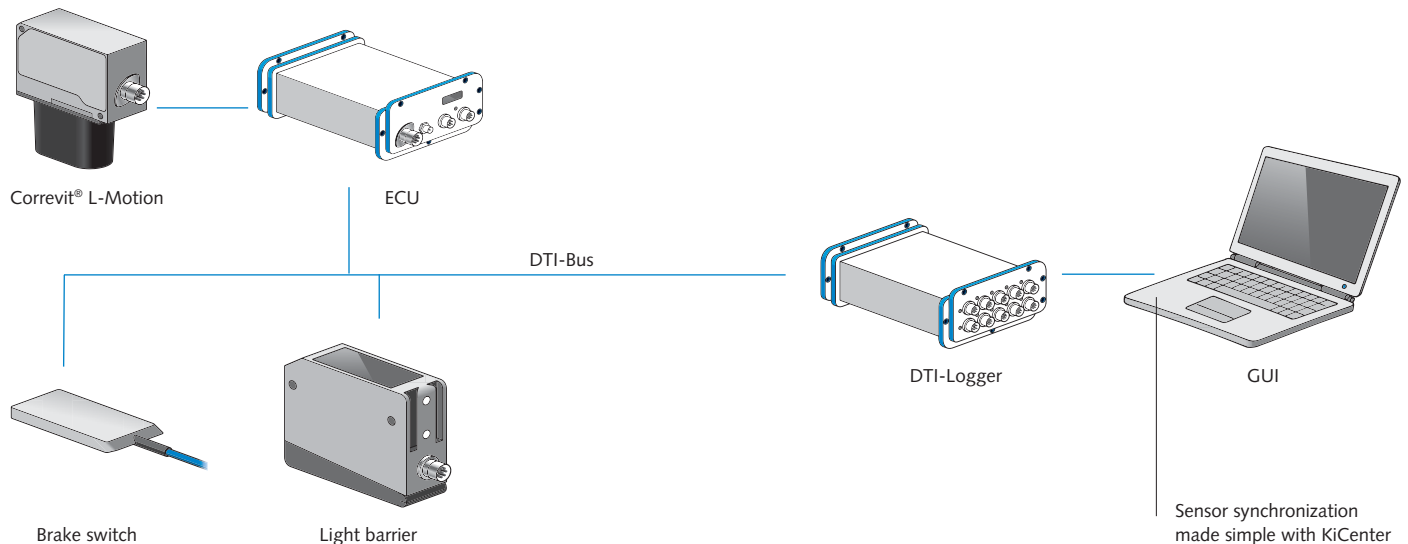


New DTI Sensor Solution



An Example of Maximum Efficiency DTI Technology for Braking Distance Measurements

Straight-line braking with DTI Sensor Technology



A Complete End-to-End Solution – from Sensor to Software

For brake distance measurements with ABS braking to DIN 70028, Kistler offers you a complete measurement solution based on our DTI technology. This would include Kistler sensors and triggers, the DTI logger and the KiCenter.

The "One Cable for Everything" concept enables a rapid and efficient setup of the test vehicle or test rig, with the KiCenter then providing the interface to permit easy configuration of all connected sensors and the test measurement parameters.

KiCenter guides you through the entire measurement procedure with three sequential views of the measurement data – before, during and after the measurement task. The benefit: you can focus fully on your work so you gain valuable time on the test track.

Working Together for your Success
Kistler will be glad to offer support for your specific testing requirements.

Kistler Group

Eulachstrasse 22
8408 Winterthur
Switzerland
Tel. +41 52 224 11 11

Kistler Group includes the Kistler Holding AG and
all its subsidiaries in Europe, Asia, Americas and Australia.

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