

# CrashDesigner Lite

Type KKT-CDL

## Crash test control software

CrashDesigner Lite is an easy software application for data acquisition purposes of crash tests.

- Full support of Kistler measurement devices
- Customizable test execution sequence
- Detailed feedback on device and channel values
- Easy creation of small test setups, based on equipment exchange files (\*.e2x)
- No database required
- Easy installation and administration

In comparison to CrashDesigner, it is not based on a database but instead provides a simple wizard to create a new test setup based on data acquisition units, TEDS data and sensor data from equipment exchange files (\*.e2x). Alternatively it can also read test setup XML files from CrashDesigner. CrashDesigner Lite shows a detailed channel list providing possibilities to define and adapt channel data. All crash test related functions such as programming of the data acquisition units, offset adjustment, sensor identification, shunt test, arming of the systems, triggering, and data readout are handled either in a step-by-step mode or an automatic mode where a single button can start a complete test.

CrashDesigner Lite has a built in script language. This makes the creation of customer specific test execution sequences very easy. During the test execution CrashDesigner Lite adds important information to the XML configuration file such as measured offset values and shunt values, remaining offsets, or gain settings. At the end of each test the data can be stored in either DIAdem®, ISO or ISO MME format. The XML file contains all test related information and can be easily viewed with any browser.



### Technical data

Requirements	
Hardware	pentium computer 3 GHz, memory 8 GB, TCP/IP, HDD 40 GB or more
Software	Java Virtual Machine 14; the setup of CrashDesigner 2.10.1 contains Open JDK 14.0.0.; OS: Windows 7/Windows10 <sup>1)</sup> 64-bit only
Supported hardware	<ul style="list-style-type: none"> <li>• nxt32 in-dummy DAS systems</li> <li>• KiDAU Basic, Classic and Advanced and KiTimer systems</li> <li>• Kistler DTI in-dummy DAS systems (recorders Types DTI304, DTI327, DTI375 and 20 kHz DiMods Type DTI307; DTI Boardinterface Type DTI335.30; DTI Airbagtimer Type DTI328.16; DTI Free Motion Heads Type DTI323), DTI smart barrier charge amplifier DiMods Type KLVAMP20</li> <li>• MINIDAU Classic and MINIDAU Advanced (mobile and stationary versions, Dig48) with 8 ... 96 channel systems</li> <li>• Type K3789 / K3789R Airbag timer 8 or 12 chan. (with and without recorder module)</li> <li>• TNA3889 stationary airbag timer 4 channels with recorder module</li> <li>• MICRODAU based nxt in-dummy DAS systems</li> <li>• Kistler smart barriers</li> <li>• K3981B Trigger Star Points</li> <li>• Boxboro RibEye (licensed via selected option): 50th Male Hybrid III, 5th Female Hybrid III, WorldSID 50th Male, WorldSID 5th Female</li> </ul>
Licensing	via license file

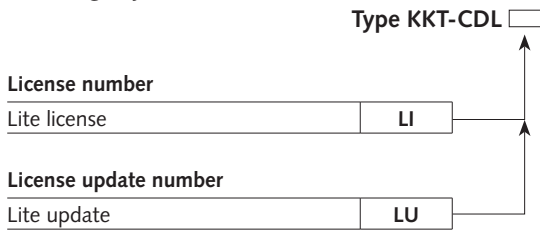
<sup>1)</sup> Tested with Windows10 Version 1607, Build 14393.1198

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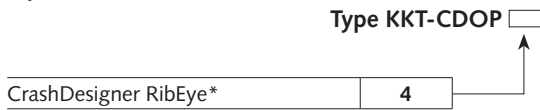
This information corresponds to the current state of knowledge. Kistler reserves the right to make technical changes. Liability for consequential damage resulting from the use of Kistler products is excluded.

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### Ordering key



### Options



\* RibEye: This option allows to add RibEye devices from Boxboro to a test setup and allows test execution together with other device types in the same test setup, including programming, offset measurement, numerical and graphical online data access, arming, status observation, data readout and conversions. Supported are 50th Male Hybrid III, 5th Female Hybrid III, WorldSID 50th Male and WorldSID 5th Female systems with serial number > 100.