

FalCon FcQuickLook for FcBase

Viewing and Editing-Tool to Crash Analysis System for Crash Measuring Data

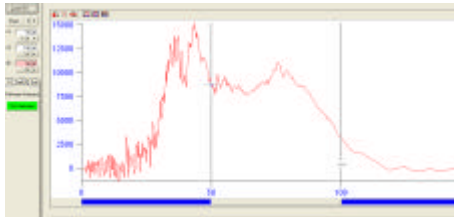


With the FalCon **FcQuickLook** module based on standard software **DIAdem** a fast possibility was created for data viewing and processing, given from a measuring system before starting of a crash-test-evaluation. The data can be prepared quickly and easily by simple handling and be handed over for further processing.

In combination with the FalCon **FcBase** crash-test-analysis-tool a continuous solution is offered the user – it ranges from viewing and editing of the measuring data of a crash- or sledge test to evaluation and documentation to the point of comparison of tests.



Features:



x1 26,00
- << +
x2 41,50
- >> +
dX 15,50
- <> +



No	Time [ms]	Value
✓ 1678	67,70	1,342737E+2
✗ 1679	67,80	NOVALUE
✗ 1680	67,90	1,360000E+2
✗ 1681	68,00	1,360000E+2
✗ 1682	68,10	1,321740E+2
✗ 1683	68,20	1,315110E+2
✓ 1684	68,30	1,315611E+2
✓ 1685	FR 40	1,315611E+2

Settings

Software-Automated default Time Range
T1 [ms] 00,00 T2 [ms] 10,00

Time Range of Result-Making Channels
T1 [ms] 0,00 T2 [ms] 200,00

Edit Marker Channel
Don't flag Edited in Ranges < 3,00 ms

Save Path Root
E:\V\CBasedemo\front\CBasedemo

Time ZERO adjust (T0)

- Predefinition of the zero-time for all measuring channels

Software Offset Adjust (Autozero, ATZ)

- Alignment of a software off set
- Period for the determination of the offset-value freely selectable

Editing on single channel

- Selection of the channel from channel list sheets, which can be worked on
- Page turning (next channel/preceding channel)
- Separate marking of faulted and already crawled channels

Navigation within a channel

- Rough selection of the working capacity with DIAdem band cursor
- Point-exact fine selection of the working area with navigation keys or by direct input of the desired cursor

Processing functions for entire channel

- Invert channel
- Edit channel (enter individual values)
- Reject processing

Processing functions for selected range

- Add constant
- Multiply with constant
- Set to constant value
- Interpolate linear

- Replace filtered values: CFC 60, 180, 600, 1000

Display options

- Partition of DIAdem work area in two windows (entire channel, enlargement of the up-to-date selected section)
- Coloured representation of the raw data and operating data
- Insertion of the filtered or integrated operating data
- Automatic identification of anomalies: polarity, failures of channels....

Saving of the crawled data

- File of the crawled data (operating channels) in ISO/EGV data record
- Length of the operating channels limitable
- All working on are put down in a log file

Additionally following channels are archived in result data record

- A copy of the raw data channels in full length (possibly inverted and T0-revised)
- A marker channel is stored for each edited data channel, in which the positions of the changed or incorrect (NoValues) channel values are marked

Technical Framework

- Program system for computer platforms under WINDOWS 2000 / XP / 2003
- Precondition: DIAdem Advanced 8.1 with option „Crash-functions“
- Import data: ISO/EGV (Extended version of ISO/DTR 13499)
- User interface compliant to MS-Windows
- **Technical specifications are subject to change.**