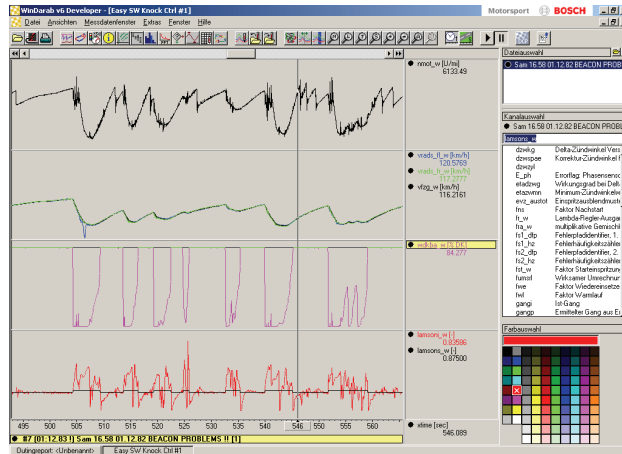


WinDarab

Data Analysis Software

WinDarab is an evaluation tool for monitoring and analyzing of logged data. It is Windows-based and specially designed for motorsports use. Depending on the functionality the software is available in different versions, WinDarab-Light and WinDarab-Expert. Additionally we offer a „Free“ version without dongle.



Data Evaluation

- Auto load and auto store
- Adjustable axis: time or distance
- Direct read-in of memory data without reader
- Graphic display of all measured and stored channels
- Various displays available (analog and digital)
- Number of displays available
- Various display set-ups selectable and storable
- Laptrigger signal included

Required hardware components

PC:

- IBM PC Pentium/AMD Athlon compatible, min. 1.6 GHz
- Min. 1 GB RAM
- Min. 1 GB free HD space
- VGA / WGA monitor (min. 1,024 x 768)

Operating systems:

- Windows XP 32 Bit, Vista 32 Bit

Functionality

- Creating of race tracks
- Several segments adjustable for each race track
- Lap reports and lap comparison
- Inform displays
- Data extract and export

Functions

- Min./max. calculations
- Histograms
- Mathematical functions
- Filter functions incl. FFT
- x/y-plots

Data Comparison

- Calculation of differences lap by lap

Part Numbers

WinDarab-Free	on request
WinDarab-Light	F 01E B01 402-01
WinDarab-Expert	F 01E B01 418-01
Upgrade	on request

Encryption of data / access rights

The on-board recorded measuring data will be encrypted in the data logger via a so-called project key. Each project key belongs to a specified project or customer.

Reading or viewing data with WinDarab „Light“ or „Expert“, is only possible with a dongle with suitable key information on it.

Dongle-free working with WinDarab-Free

For basic data analyzing tasks we offer WinDarab-Free for free of costs. To ensure our customers data every WinDarab-Free installation has to be linked to the customer project keys. Please contact your customer support engineer for a customized WinDarab-Free Installation CD.

WinDarab-Free can be used till a WinDarab-Light or -Expert is installed on the PC. Afterwards the installation of WinDarab-Free is no longer executable.

WinDarab Feature List			
	Free	Light	Expert
Function			
Maximum number of opened files	2	4	unlimited
Maximum number of measuring data windows	1	2	unlimited
Maximum number of areas in measuring data windows	2	4	unlimited
Views - Histogram	•	•	•
Views - (x/y)-Plot	•	•	•
Views - Distribution	–	•	•
Views - Min/Max-Tables	–	•	•
Views - Fourier-Transformation	–	•	•
Views - Outing report	–	•	•
Views - Lap analysis	–	–	•
Views - Flowcharts	–	–	•
Views - Instrument Panel (numeric/bargraph/round scale)	•	•	•
User defined Physical Units	•	•	•
Language Support German/English	•	•	•
Racetrack generation via speed/lateral G or GPS	•	•	•
ASCII Export	•	•	•
Matlab Import (seperated tool)	•	•	•
Extras - Functions/Conditions	–	basic*	unlimited
Extras - Differences	–	•	•
Extras - Settings - Comments	–	–	•
Measuring data window - Area channel name - View options	–	–	•
Desktop load/save	•	•	•
Telemetry	–	•	•

* +, -, *, /, ^, sqrt(), sqr()