

# Analysis Tool WinDarab V7



- ▶ State of the art user interface, versatile diagrams
- ▶ Numerous analysis functions
- ▶ Customizable mathematical channels and filters
- ▶ Software based license without dongle
- ▶ License Troubleshooting

WinDarab V7 is an evaluation tool for monitoring and analyzing of logged data and is specially designed for motorsport use. Monitor vehicle data using on-line telemetry and compare logged data by reading out your data logger. WinDarab V7 features a state of the art user interface and reads out both engine and chassis data.

The follower of WinDarab V6 offers simplified and ergonomic handling as well as new features and a revised license system to work without a dongle.

Choose between the *Free* and the *Expert* version depending on your purpose.

The enormous bandwidth of features makes WinDarab V7 a perfect evaluation tool for motorsport engineers.

## Application

### Diagrams

- Oscilloscope
- X-/Y-plot to create scatterbands
- Histogram
- 3D-diagram

### Analysis

- Overlay of different laps
- Time or distance based analysis
- Absolute and relative values
- One-touch channel statistics (min./max., avg., etc.)
- Regression lines, user defined lines
- Lap reports and lap based comparisons
- Replay offline data in realtime

### Advanced Analysis

- User defined math channels

User defined conditions to filter data

FFT analysis

### Racetracks

- Racetrack creation based on v/acc or GPS data
- Racetrack segmentation

### Telemetry

- Replay online data in realtime
- Gauges for realtime visualization

### User Interface

- Flexible display setup and arrangement
- Storable display setup and arrangement
- Lap browser

### Data Transmission

- Direct data input without intermediate hardware
- Protection/encryption of logged data files
- ASCII import and export

### License System

- Dongle-free working in all WinDarab V7 variations
- Activation/update via internet
- Annual maintenance for up-to-date versions

### Environment

#### 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)
- Recommended Operation System: Windows 10 or 11

## Technical Specifications

### Variations

	Free	Expert
Max. open files	4	unlimited
Max. measuring data windows	2	unlimited
Max. areas in measuring data windows	4	unlimited
Histogram	+	+
x/y-plot	+	+
Distribution	+	+
min/max-tables	+	+
Fourier-transformation	+	+
Outing report	+	+
Lap analysis	-	+
Flowcharts	-	+
Instrument panel	+	+
User defined physical units	+	+
Racetrack generation via speed/lateral G or GPS	+	+
ASCII export	+	+
Available operators for math channels.	+, -, *, /, ^, $\sqrt{x}$ , $\sqrt{x}$	All
Extras settings/comments	-	+
Desktop load/save	+	+
Telemetry	+	+

Programming interface (API)	-	Opt.
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### Installation Notes

Yearly maintenance is recommended, no components to replace
Programming interface COM-API requires active maintenance

### Legal Restrictions

Generally blocked are direct and indirect business involving high risk destinations, including Russia, Belarus, Cuba, Iran, North Korea, Syria, Libya, Afghanistan, and certain non-governmental controlled Ukrainian regions. This list may change as geopolitics evolve.

### Ordering Information

#### WinDarab Free Version

Order number **free download at our homepage**

#### WinDarab Expert

Order number **F02U.V01.308-01**

#### WinDarab Yearly Maintenance

Order number **F02U.V01.345-01**

### Software Options

#### COM-API for WinDarab Expert

Yearly License

Order number **F02U.V01.682-01**

#### WinDarab Telemetry External Data Stream

Yearly License WinDarab ExtDataStream

Order number **BG02.000.066**

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