

## **DAKTON. THE NEW CAPTURE DATA SYSTEM**

The next-generation Dakton capture data system is ready to be launched.

Dakton has been conceived and realized thanks to the hard work of RKS, the factory specialized in the realization of specific software for the sporting competitions and OTK Kart Group.

Dakton collects, analyses and converts data coming from chassis and engine in a complete manner so that such information is clear and ready for drivers and teams.

OTK and RKS are the two factories that have projected the Dakton system.

OTK Kart Group, manufacturer of the famous Tony Kart brands, Kosmic, Fa Kart, Exprit and Vortex, has been supplying next-generation chassis in terms of technology, material and engineering, allowing its customers to stand out in all sporting tracks on the occasion of top-level competitions.

RKS is qualified in the realization of data analysis software.

Thanks to such qualified cooperation (OTK Kart Group-RKS) the next-generation, reliable and efficient system has come to light, with three different configurations satisfying any driver's needs. DAKTON software will be available in three versions: DAKTON-XEL, DAKTON-XTRA and DAKTON-XPRT.

Three models for the Dakton system, from the basic advanced platform (XEL) to the top-level, EXEL.

Basic, intermediate and top-range configurations; the choice will be made according to the kind of analysis desired. We remind that the purchase of additional parts includes the upgrade, so there is no need to setup or configure the software anytime.

Dakton system soon proves to come from the experience of a solid factory such as OTK Kart Group. Its compact and good shapes are the first sign proving the great knowledge of this project. This way, even before going to the track, Dakton highlights its top-level features of all its parts; this high-quality product can be easily mounted on the chassis.

Once working, Dakton system does not let down and the first feeling comes along with its operation. Easy to be installed, perfect performance, immediate and clear data analysis are the must of all three Dakton models.

### **Service. Before, during and after purchase.**

Purchasing one of the Dakton systems you will have the chance to have, if you wish, direct support and assistance of qualified engineers present at track.

This customer service is a valid support in the first use of the Dakton system, allowing a more rapid and easy knowledge of this tool.

Moreover valid assistance and valid advice lead to new and in-depth chassis operating methods.

### DAKTON-XEL

#### Equipment:

- **Display** to be mounted in the steering wheel for an immediate reading of data
- **RPM Cable.** It reads-time engine RPM data and displays them on the monitor
- **Timing sensor.** It allows timing and sector capture at each lap
- **Water sensor + cable.** It allows water temperature measuring and limit control through an alarm led
- **Rechargeable battery + Cable for lithium battery inside the monitor**

#### Features

It does not allow downloading the data on the PC but the monitor shows all lap timings, partial timings, maximum RPM, highest water temperature and the data concerning any additional sensor.

### DAKTON-XEL Target

Conceived for drivers who need to have basic data and information concerning the test sessions performed at the track and who wish to have reliable equipment, simple to be read as well as solid and precise.

### DAKTON-XTRA

#### Equipment

- **Display** to be mounted in the steering wheel for an immediate reading of data
- **RPM Cable.** It reads-time engine RPM data and displays them on the monitor
- **Timing sensor.** It allows timing and sector capture at each lap
- **Water sensor + cable.** It allows water temperature measuring and limit control through an alarm led
- **Rechargeable battery + Cable for lithium battery inside the monitor**
- **Speed sensor**
- **Data logger micro-box ( $\mu$ -box).** Interface allowing the data recording for future PC analysis; it also includes accelerometers, longitudinal and lateral G-force sensors for the circuit mapping. Export of data is possible through data cable or Bluetooth. This way it is not necessary to stay close to the kart while downloading data.
- **Micro-box support ( $\mu$ -box)**
- **USB cable**

#### Features

Next-generation system supplying important parameters to engineers and driver. All data can be downloaded (by way of the Data log  $\mu$ -box) and converted to graphic formats.

Graphics allow evaluating the lap-timings, RPM, speed and water temperature anyway along the circuit. Data of different laps, of the same test session or of several test sessions can be compared.

Thanks to accelerometers, which the  $\mu$ -box is equipped with, it is possible to draw the track planimetry and evaluate any chassis acceleration or deceleration point, important data for the performance analysis.

### DAKTON-XTRA Target

Conceived for drivers and engineers who wish to accurately examine in depth and analyse the chassis lap by lap and anytime during the competition.

## DAKTON-XPRT

Equipment:

- **Display** to be mounted in the steering wheel for an immediate reading of data
- **RPM Cable.** It reads-time engine RPM data and displays them on the monitor
- **Timing sensor.** It allows timing and sector capture at each lap
- **Water sensor + cable.** It allows water temperature measuring and limit control through an alarm led
- **Rechargeable battery + Cable for lithium battery inside the monitor**
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- **Data logger micro-box ( $\mu$ -box).** Interface allowing the data recording for future PC analysis; it also includes accelerometers, longitudinal and lateral G-force sensors for the circuit mapping. Export of data is possible through data cable or Bluetooth. This way it is not necessary to stay close to the kart while downloading data.
- **Micro-box support ( $\mu$ -box)**
- **USB cable**
- **Pedal sensors.** They allow to have the exact pedals position (brake and accelerator) anytime during the test sessions
- **Steering angle sensor.** It allows to measure the steering angle and its difference compared to the chassis axis
- **Exhaust temperature sensor or exhaust valve sensor**
- **J-Box.** Interface allowing the download of pedal sensors data, steering angle data and the exhaust valve position.
- **J-box adapter**

## **Features**

DAKTON-XPRT supplies information concerning the kart behaviour (engine and chassis) and allows to compare all data by means of an efficient and ready interface.

The different sensors allow to collect information on chassis and engine and to examine all parameters in depth.

## **DAKTON-XPRT target**

Precise, reliable and well-structured data capture system; a professional tool that the most experienced and qualified teams must have.