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Download solutions – innovative and user-friendly

Customised solutions for various applications

VDO



Downloadkey II



Mobile Card Reader



Card Reader



Downloadterminal



DLD® Short Range and DLD® Wide Range



What solutions do I have for downloading data?

To fulfil your legal archiving obligations, you must regularly download the data from the mass memory of your digital tachographs and driver cards.

Many different innovative download solutions by VDO are available for data downloading, all customised for various applications – they are extremely user-friendly and possess the ultimate in data security systems.

Mobile solutions

Downloadkey II

The Downloadkey II is the mobile solution for downloading and transferring mass memory and driver card data. A company card must be inserted in the digital tachograph during the download procedure (*more on this on Page 3*).

Mobile Card Reader

With the Mobile Card Reader you can transfer driver card data to a Downloadkey II at any time. There is no need for a company card (*more on this on Page 4*).

Indoor solutions

Card Reader

With the Card Reader you can download driver cards in the office and transfer the data directly to the computer (*more on this on Page 5*).

Downloadterminal

The Downloadterminal is the stand-alone solution for downloading driver cards and for transferring data from a Downloadkey II (*more on this on Page 6*).

Wireless solutions

Download Device (DLD® Wide Range and DLD® Short Range)

DLD® is the comfortable solution for transferring mass memory and driver card by wireless. You'll find more information about DLD® in the relevant product information sections at: www.dtco.vdo.com/downloads



Downloadkey II (DLK II) – simple data handling

The VDO Downloadkey II is the ideal transport medium for fleets, workshops and authorities – it downloads and transfers mass memory data from digital tachographs and from driver cards inserted in the tachograph.

The DLK II can also be used as an archiving tool for small fleets and owner-drivers. To protect data from unauthorised access, a company card is required for data download.

Features of the Downloadkey II

- The serial 6-pin interface is compatible with all digital tachographs and enables data downloading via the front interface of the tachograph.
- The USB 2.0 interface enables fast data transfer to the office computer.
- The DLK II weighs less than 50 g, is no larger than a mobile telephone and fits in any shirt pocket.
- The DLK II requires neither a power supply nor a puffer battery to retain its data – so you can use it in vehicles or on your computer at any time.
- An optical display indicates memory capacity and download status for maximum comfort and ease of handling.
- The memory capacity is sufficient for around 1,000 quarterly downloads.

Downloadkey Portable Set

The Downloadkey Portable Set consists of a Downloadkey II and a Mobile Card Reader (*more on the Mobile Card Reader on Page 4*). This enables drivers to download data from their driver cards without the need for a company card.



Mobile Card Reader – simple data handling

The Mobile Card Reader by VDO is a mobile scanner for driver cards – it enables data to be transferred directly to a Downloadkey II.

It's ideal for drivers who cannot return to the company site on a regular basis.

Features of the Mobile Card Readers

- With the Mobile Card Reader drivers can directly transfer driver card data to a Downloadkey II, without the need for a company card.
- The Mobile Card Reader can be operated either by battery or by mains adapter – so you can use it anywhere and at any time.
- LED's for displaying memory capacity, download status and battery charge status ensure user-friendly and secure operation.

Downloadkey Portable Set

The Downloadkey Portable Set consists of a Downloadkey II and a Mobile Card Reader (*more on the Downloadkey II on Page 3*). This enables drivers to download data from their driver cards without the need for a company card.



Card Reader – compact and handy

The VDO Card Reader is connected to an office computer by means of a USB cable. With the TIS software you can download digital driver card data and store it for archiving and evaluation.

The VDO Card Reader is suitable for all fleet sizes.

Features of the Card Readers

- The handy Card Reader enables the easy downloading of driver cards in the office.
- It is connected to the computer by means of a USB cable.
- The compact Card Reader is extremely easy to use.



Downloadterminal – flexible and robust

The Downloadterminal by VDO offers drivers the option of downloading driver card and Downloadkey II data themselves. The Downloadterminal can be set up anywhere, e.g. in the drivers' rest room – making it accessible around the clock.

The VDO Downloadterminal facilitates the downloading and transport of data, especially for larger fleets. It simplifies the handling of large amounts of data and is perfect for drivers who have irregular working hours.

Features of the Downloadterminals

- With a mains adapter, the Downloadterminal can be used as a stand-alone solution, guaranteeing flexible use – anywhere and at any time.
- Driver cards are automatically downloaded via the integrated chip card reader.
- Downloadkeys can be automatically downloaded via a USB interface.
- An illuminated display with internationally understandable icons shows the download status – ensuring problem-free operation.
- The data stored in the Downloadterminal can be easily retrieved and transferred to the computer at any time for fleet management purposes.
- The Downloadterminal data can either be downloaded via a USB stick or taken to the office and connected to the computer there by USB or network cable.
- For data storage, the Downloadterminal is equipped with a 128 MB internal SD card – enough capacity for around 200 quarterly downloads.

Download solutions at a glance

	Downloadkey II	Downloadkey Portable Set	Card Reader	Download-terminal
Downloading data				
Downloading of mass memory data from digital tachographs	• ¹⁾			• ²⁾
Downloading of driver card data	• ¹⁾	•	•	•
Transfer of data to a computer				
Connection to a computer by USB cable			•	•
Connection to a computer by network cable				•
Direct connection to computer's USB port	•	•		
Data transfer by USB stick				•
Data transfer by Downloadkey II / TIS-Compact II		•		•
Installation				
Can be used as a stand-alone solution	•	•		•
External power supply required				•
Internal memory available	•	•		•
Interfaces				
USB interface	•			•
RJ 45 interface (Ethernet connection)				•
Special Downloadkey II / TIS-Compact II interface		•		•
Status indicators (Display/LED's)				
Download status display				•
LED for displaying download status	•	•		
LED for displaying memory capacity	•	•		
LED for displaying current battery charge status		•		

¹⁾ A company card must be inserted in the DTCO[®]. Inserted driver cards are downloaded via the front interface on the DTCO[®].

²⁾ Mass memory data is downloaded from the DTCO[®] with the Downloadkey and from there transferred to the Downloadterminal or Outdoor Terminal.

Depending on your company-specific requirements, VDO offers you various integrated and customised data management solutions under the TIS banner (Tachograph Information System). Ask your **VDO service partner** for more **product information** about individual solutions – or visit our website at www.vdo.com/dtco.



Additional offers from VDO

In order to help you prepare efficiently for working with digital tachographs, VDO, together with various partners, has developed target group-specific training concepts.

These training courses provide you with all the support you will need during your learning process with digital tachographs, the various additional components and the data management software. The courses also explain everything you need to know about the relevant EU regulations and their effects on each target group.

For further information about VDO training, please visit:
<http://dtco.vdo.com/training>

Visit **www.dtco.vdo.com/downloads** for concise digital tachograph guidelines and product information about other VDO solutions.

Continental Trading GmbH
Heinrich-Hertz-Str. 45
78052 Villingen-Schwenningen
Germany
Internet www.dtco.com
E-mail tachograph@vdo.com
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