

Siemens VDO.
Your reliable partner
– now and into the future.

www.vdo.com

Siemens VDO – the tachograph experts

Siemens VDO has held a leading position in the tachograph and accessories sector for over 70 years. Benefit from our long experience and comprehensive DTCO 1381 service package to prepare your workshop for the age of the digital tachograph:

From early 2005 we and our partners will be offering approved digital tachograph training. This is some months ahead of when vehicle manufacturers are due to start installing these systems.

This will allow you and your employees to get ready for official training sessions and the upcoming changes.

For more information about training options please visit www.vdo.com/dtco.

We are the experts.
Digital Tachograph Solutions.
Ready for the future.



Take advantage of our computer-based DTCO training now!

SIEMENS VDO
A u t o m o t i v e

Digital Tachograph Solutions.

Because it's important
to have all the information.



The DTCO 1381 from Siemens VDO

The DTCO 1381 EC digital tachograph sets new standards in terms of performance, technology, design and user friendliness. It digitally records data such as driving and rest times, speed and rpm, as well as information needed for calibration.

The system fits any radio slot and consists of a recording unit with mass memory, plus two smart card readers, an integrated printer and a display. In conjunction with the intelligent KITAS 2171 speed sensor and the various tachograph cards, the DTCO 1381 meets all the requirements of Regulation (EC) No. 1360/2002, the new directive.



Workshop card:
Identifies the authorised workshop, puts the digital tachograph in calibration mode and permits data to be output.

Working with the DTCO 1381

Vehicle-related data is stored in the DTCO's mass memory which has storage capacity for approx. 365 days. Driver-related data is stored on the driver card.

Depending on access rights, all data can be viewed on the display, printed out or transferred to external data storage media via an interface. The mass memory, printer paper and smart cards therefore replace the tachograph charts previously used to record data.

From mid-2005 all new vehicles for which tachographs are mandatory will be fitted with digital tachographs. The legal requirements on archiving will also change: The launch of digital tachographs means that in future transport companies will need to archive a copy of mass memory and driver card data at regular intervals, as well as storing paper charts.

In addition, the legislation requires that for all newly registered vehicles, the vehicle registration number must be entered into the digital tachograph by an authorised workshop within 14 days of registration.

These new regulations also oblige you and your workshop to adopt special procedures for handling digital tachograph data.

Before working on digital tachographs your workshop must be authorised and fulfil the following requirements:

- Approved service diagnostic systems for digital tachographs
- Service personnel trained on digital tachographs
- Systems for downloading and archiving data
- Secure environment and procedures to comply with data protection requirements

Important note:

When replacing a defective digital tachograph, workshops are obliged to download all mass memory data from the old system.

For more information on this topic and all other aspects of the DTCO 1381 visit www.vdo.com/dtco.



Vital equipment for the DTCO 1381.

Service Diagnostic Systems – SDS

To enable your workshop to make a smooth transition to the age of the digital tachograph we offer the corresponding technical equipment.

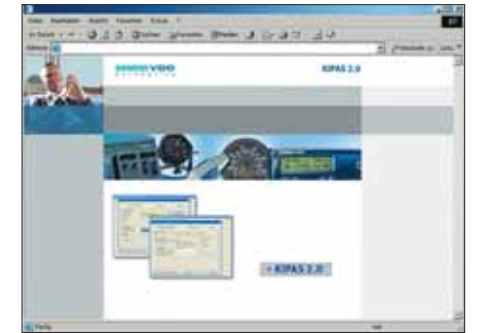
If you are currently using a proven rolling road or mobile test computer (ATC or MTC) for inspection and adjustment purposes you can easily upgrade your existing systems with the DTCO retrofit kit. In addition, there is now a specific system for inspecting and programming Siemens VDO radio-slot sized tachographs (MTCO 1324, MTCO 1391, TSU, DTCO 1381), as well as various competing tachographs, in the shape of the CTC (compact test computer).

Software and other accessories:

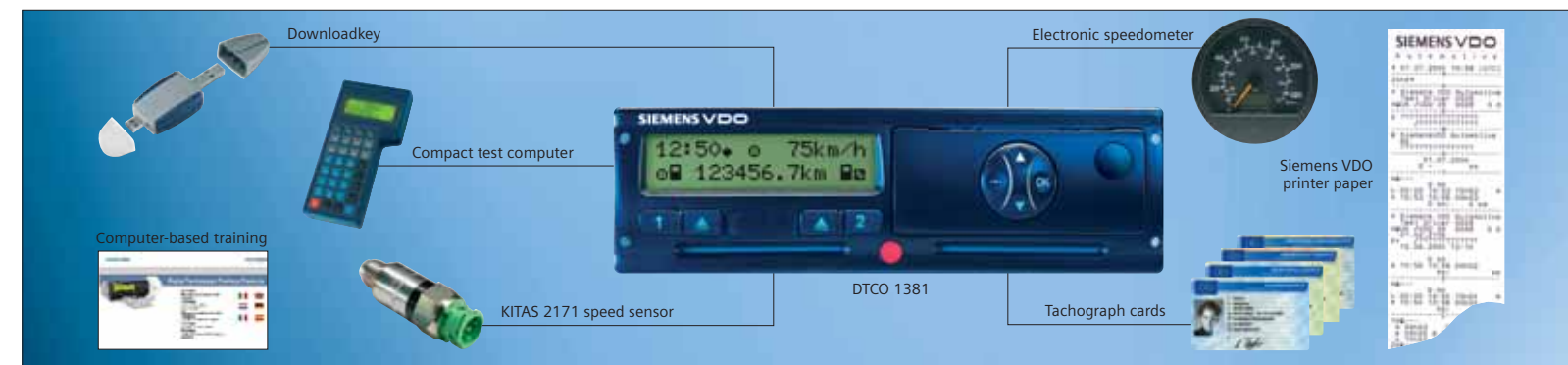
The DTCO 1381 has interfaces for connecting to on-board electronics or an instrument cluster (electronic speedometer). Mass memory data can be downloaded via the front interface using e.g.a Downloadkey.

The Siemens VDO Downloadkey is a convenient and practical transport medium for downloading and archiving DTCO mass memory data.

It features a 6-pin serial interface, which is compatible with all digital tachographs, and a USB 2.0 interface for transferring data quickly to a PC.



Siemens VDO offers special KIPAS 2.0 software that enables workshops to process and manage test, customer and vehicle data. Once customer data has been entered it can be processed using integrated statistical and database functions.



The CTC performs all legally required tachograph tests including country-specific requirements.

Comprehensive tachograph checks can also be carried out using the CTC, while retrofit tachographs can be configured and programmed, including KITAS activation. Test data can easily be fed into the special KIPAS 2.0 tachograph workshop program. Data in the mass memory can be downloaded or transferred as required.

The Downloadkey requires no separate power supply and is therefore always ready for use in vehicles and with PCs.

It can also act as a USB stick compatible with any PC. In conjunction with your workshop card the Downloadkey is the ideal tool for transferring data quickly and easily.

Mandatory tachograph inspection or speed limiter testing can thus be conducted exceptionally quickly. All relevant data is transferred to the software via a workshop card. And of course the networkable KIPAS 2.0 software is fully compatible with the existing tachograph evaluation solutions TIS-Web and TIS-Office.