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# VDO Fleet and Workshop Solutions

Product Catalogue 12-2020

**VDO**

# Continental: Progress and Performance for almost 150 years

- Founded in Hanover in 1871, Continental has developed into one of the leading automobile supplier on the world market. With over 500 companies and more than 250,000 employees, Continental offers high-quality, innovative and established products, systems and services worldwide.
- The VDO tachographs have been available since 1951 and are still manufactured in Villingen, part of the international technology company Continental.
- Our expertise in the commercial vehicle and aftermarket sector enables us to develop and sell integrated fleet management solutions worldwide. Fleet managers, service partners and commercial vehicle manufacturers can now control their operations in a more efficient way.







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# The Smart Tachograph DTCO® 4.0

Since June 15, 2019, newly registered or newly equipped commercial vehicles over 3.5 metric tons that are used for commercial purposes must be fitted with a new-generation digital tachograph. The new DTCO® 4.0 can be effortlessly integrated into existing vehicle technology. Even the plug connections are identical to those of previous models. Thanks to the integrated GNSS antenna and DSRC interface, the DTCO® 4.0 does not need any additional electronics nor adjustments to the vehicle CAN bus.



## Your advantages at a glance

- The DTCO® 4.0 can be quickly and easily integrated into the existing vehicle environment. No complex network configuration is required.
- The DTCO® 4.0 meets the requirements of the new EU regulation 165/2014.
- The DTCO® 4.0 provides you with additional data to make your fleet even more efficient. Future functions such as the automatic transfer of the payload or communication with toll infrastructure are possible.
- The DTCO® 4.0 is easy to configure in accordance with your requirements using the DTCO® Configuration app and company card.

You simply need a passive DSRC antenna to commission the smart tachograph. This simple installation and integration process saves you time, effort and money.

 <https://www.youtube.com/watch?v=qBwYGeoESRU>

DTCO® 4.0 Order number	DTCO® 4.0 internal product number	Description Vehicle/type	DTCO® 4.0 Universal"
VDO UNIVERSAL			
A3C0296220020	1381-7550333003	DTCO 4.0 24V-ADR VKF R4.0 EC/GGVS Serie (24V/12V ADR-Z2 with CAN-R)	A3C0296220020 (1381-7550333003)
A3C0296320020	1381-7550333004	DTCO 4.0 24V-ADR VKF R4.0 EC/GGVS Serie (24V/12V ADR-Z2 without CAN-R)	A3C0296320020 (1381-7550333004)
A3C0296300020	1381-4550332004	DTCO 4.0 24V-ADR VKF R4.0 EC/GGVS Serie (24V ADR-Z1/B5 with CAN-R)	A3C0296300020 (1381-4550332004)
A3C0296310020	1381-4550332005	DTCO 4.0 24V-ADR VKF R4.0 EC/GGVS Serie (24V ADR-Z1/B5 without CAN-R)	A3C0296310020 (1381-4550332005)
Alexander Dennis			
A3C0351350020	1381-1511033002	Truck + Bus MY2018	A3C0296320020 (1381-7550333004)
DAF			
A3C0255600020	1381-2511343002	LF, CF, XF	A3C0296220020 (1381-7550333003)
Dennis Eagle			
A3C0317940020	1381-1500133005	Trucks UK	A3C0296320020 (1381-7550333004)
Fendt (AGCO)			
A3C0351330020	1381-0500033002	900-1000 Vario	A3C0296320020 (1381-7550333004)
Isuzu MIDI			
A3C0306630020	1381-1510033002		A3C0296320020 (1381-7550333004)
Iveco + Irisbus			
A3C0278790020	1381-0532113002	Daily MY 2014	A3C0296320020 (1381-7550333004)
A3C0278820020	1381-1522113002	Stralis, Eurocargo, Trakker; Irisbus	A3C0296220020 (1381-7550333003)
A3C0278810020	1381-1552113004	Stralis MY 2013 NonADR	A3C0296220020 (1381-7550333003)
A3C0278800020	1381-1552113003	Stralis MY 2017 NonADR	A3C0296220020 (1381-7550333003)
A3C0278830020	1381-4552111003	Stralis MY 2017 ADR	A3C0296300020 (1381-4550332004)
MAN			
A3C0293300020	1381-2511043002	TG	A3C0296220020 (1381-7550333003)
Mercedes-Benz			
A3C0289050020	1381-0552013002	Sprinter (T1N+NCV3)	A3C0296320020 (1381-7550333004)
A3C0262350020	1381-2502033003	Actros 4, Antos, Arocs, Atego MY 2015	A3C0296320020 (1381-7550333004)
Renault Trucks			
A3C0240990020	1381-1552313002	T, K, C series (TEA2+) NonADR	A3C0296220020 (1381-7550333003)
A3C0241070020	1381-4552311002	T, K, C series (TEA2+) ADR	A3C0296300020 (1381-4550332004)
A3C0241010020	1381-1512313002	C, D series (P155x) NonADR	A3C0296220020 (1381-7550333003)
A3C0241060020	1381-2512313002	C, D series (P155x) ADR	A3C0296220020 (1381-7550333003)
Scania			
A3C0236400020	1381-1521343002	R, P series	A3C0296220020 (1381-7550333003)
A3C0236410020	1381-4611342002	S, R series (MY2017)	A3C0296310020 (1381-4550332005)

DTCO® 4.0 Order number	DTCO® 4.0 internal product number	Description Vehicle/type	DTCO® 4.0 Universal"
Solaris Bus			
A3C0351210020	1381-1520033003		A3C0296220020 (1381-7550333004)
VanHool			
A3C0351310020	1381-1520033004	Bus & Coach,	A3C0296220020 (1381-7550333003)
VDL Goup			
A3C0309330020	1381-1520133005	Bus & Coach	A3C0296220020 (1381-7550333003)
A3C0709800020	1381-1530133001	new bus 2021	
Volvo Trucks			
A3C0241000020	1381-1562313003	FH/FM 4 (TEA2+) NonADR	A3C0296220020 (1381-7550333003)
A3C0241080020	1381-4562311003	FH/FM 4 (TEA2+) ADR	A3C0296300020 (1381-4550332004)
A3C0241020020	1381-1502313002	FE/FL MY ,14 (P155x) NonADR	A3C0296220020 (1381-7550333003)
A3C0241050020	1381-2502313002	FE/FL MY ,14 (P155x) ADR	A3C0296220020 (1381-7550333003)
VW / (MAN)			
A3C0432800020	1381-0621013001	VW Crafter, MAN TGE; VW T6	A3C0296320020 (1381-7550333004)
VDO UNIVERSAL (Testkey)			
A3C0269110020	1381-7550033001	DTCO 4.0 24V-ADR VKF R4.0 EC/GGVS Serie (24V/12V ADR-Z2 mit CAN-R; Testkey)	A3C0269110020 (1381-7550033001)

## Accessories for DTCO® 4.0

Order number	Description	Content
A2C1943380021	DSRC Antenna, Standard housing, adhesive pad	
A3C0178410021	DSRC Antenna, specific housing	
2910002313000	DSRC fire protection cable for installation in buses	3m cable B 3000x Farka Lplug
2910002313100	DSRC fire protection cable for installation in buses	4m cable B 4000x Farka Lplug
2910002313200	DSRC fire protection cable for installation in buses	6m cable B 6000x Farka Lplug





# DTCO® 3.0 - 3.0a

## Digital Tachograph.

The trusted quality of the DTCO® 3.0, now with even greater efficiency and better operating capabilities. Forward-thinking with lots of new features, it will help you to comply with legal obligations easily and reduces workload.



A new front design in various colors and single-button operation for changing activities give the DTCO® a higher quality appearance. With a negative display and new remote control options via smartphone, the DTCO® offers even better operating capabilities. For instance, drivers or business owners can use the Configuration App to change settings directly themselves.

### Advantages of the DTCO® 3.0

- Equipped with 2 chip card readers, printer, display, real-time clock, operating elements and memory
- Provides a reliable and convenient basis for fulfilling legal regulations with multiple interfaces and functions
- Records the driving of drivers and co-drivers, working and rest periods in real-time, as well as current speed and distance and job-specific parameters such as engine speed
- Gain valuable driving time in distribution transport, traffic and during customs clearance, all while maneuvering with the "1 minute rule"
- Direct data download with DLK Pro Download Key, DTCO® SmartLink Pro as well as DLD® Short Range II and DLD® Wide Range II using wireless
- Roughly one third faster remote and local data download
- Lots of practical apps like the VDO Driver App, the TIS Web® Fleet App or the Configuration App in conjunction with the DTCO® SmartLink, for easily adding working time, etc.
- Better data protection through card licensing with differing access rights
- Record up to 8 CAN messages regarding the vehicle's physical properties

## Digital Tachograph DTCO® 3.0a

DTCO® 3.0a Order number	DTCO® 3.0a internal product number	Volt	CAN-R	IMS	Description Vehicle/type	DTCO® 3.0 Universal"
<b>VDO UNIVERSAL</b>						
A3C0539560020	1381-7550303005	24V / 12V	with CAN-R	Standard	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie	A2C1648490020 (1381-7550303001)
A3C0539590020	1381-7550303006	24V / 12V	w/o CAN-R	Standard	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie	A2C1648500020 (1381-7550303002)
A3C0604540020	1381-7550303007	24V / 12V	with CAN-R	Classic	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie	A3C0560480020 (1381-7550303003)
A3C0604550020	1381-7550303008	24V / 12V	w/o CAN-R	Classic	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie	A3C0560490020 (1381-7550303004)
A3C0539540020	1381-4550302003	24V	with CAN-R	Standard	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie	A2C1648470020 (1381-4550302001)
A3C0539550020	1381-4550302004	24V	w/o CAN-R	Standard	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie	A2C1648480020 (1381-4550302002)
<b>VDO SCHULUNG / TRAINING</b>						
A3C0539600020	1381-7550003001		with CAN-R	Standard	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie	A2C1807590020 (1381-4550002004)
<b>DAF</b>						
A3C0538750020	1381-2511303003	24V	with CAN-R	Standard	DTCO 24V-ADR DAF R3.0A EC/GGVS Serie	A2C1704920020 (1381-2511303002)
<b>EVO BUS</b>						
A3C0530520020	1381-1500103004	24V	w/o CAN-R	Standard	DTCO 24V EVO R3.0A EC Serie, BUS 500kBD	A2C1680680020 (1381-1500103002)
A3C0530590020	1381-1520103004	24V	with CAN-R	Standard	DTCO 24V EVO R3.0A EC Serie	A2C1680620020 (1381-1520103002)
A3C0530580020	1381-1520104002	24V	with CAN-R	Standard	DTCO 24V EVO R3.0A EC Serie	A2C1680670020 (1381-1520104001)
<b>IVECO</b>						
A3C0537850020	1381-0522004003	12V	-	Standard	DTCO 12V IVE R3.0A EC Serie, Iveco Daily S2000	A2C1751210020 (1381-0522004002)
A3C0537900020	1381-0532103010	12V	w/o CAN-R	Standard	DTCO 12V IVE R3.0A EC Serie, Iveco Daily MY2007	A2C1750600020 (1381-0532103006)
A3C0537890020	1381-0532103009	12V	w/o CAN-R	Standard	DTCO 12V IVE R3.0A EC Serie, Iveco Daily MY2012	A2C1750540020 (1381-0532103005)
A3C0537840020	1381-0532103011	12V	w/o CAN-R	Standard	DTCO 12V IVE R3.0A EC Serie, Iveco Daily MY2014 / 2016 / 2019	A3C0232470020 (1381-0532103007)
A3C0537920020	1381-1522103003	24V	with CAN-R	Standard	DTCO 24V IVE R3.0A EC Serie, Irisbus	A2C1750910020 (1381-1522103002)
A3C0537930020	1381-1552103006	24V	with CAN-R	Standard	DTCO 24V IVE R3.0A EC Serie, Iveco Stralis 250kBd	A2C1750900020 (1381-1552103004)
A3C0537910020	1381-1552103005	24V	with CAN-R	Standard	DTCO 24V IVE R3.0A EC Serie, Iveco Stralis 500kBd	A2C1750890020 (1381-1552103003)
<b>MAN</b>						
A3C0538600020	1381-2621003002	24V	with CAN-R	Standard	DTCO 24V-ADR MAN R3.0A EC/GGVS Serie, MAN TG 250kBd	A2C1577480020 (1381-2511003002)
<b>MERCEDES-BENZ</b>						
A3C0530290020	1381-0552003003	12V	w/o CAN-R	Standard	DTCO 12V DAG R3.0A EC Serie, Sprinter	A2C1989840020 (1381-0552003002)
A3C0539420020	1381-2520003002	24V	with CAN-R	Standard	DTCO 24V-ADR VKF R3.0A EC/GGVS Serie, Actros 3 etc.	A3C0053520020 (1381-2520003001)
A3C0530300020	1381-2502003003	24V	w/o CAN-R	Standard	DTCO 24V-ADR DAG R3.0A EC/GGVS Serie, Actros 4 etc. (SFTP)	A2C1577470020 (1381-2502003001)



DTCO® 3.0a Order number	DTCO® 3.0a internal product number	Volt	CAN-R	IMS	Description Vehicle/type	DTCO® 3.0 Universal"
<b>RENAULT</b>						
A3C0539310020	1381-2552303004	24V	w/o CAN-R	Standard	DTCO 24V-ADR RTR R3.0A EC/GGVS Serie, Renault Trucks TEA2	A2C1753900020 (1381-2512303003)
A3C0539340020	1381-1552303006	24V	with CAN-R	Standard	DTCO 24V RTR R3.0A EC Serie, Renault Trucks T, K (TEA2+)	A2C1753650020 (1381-1552303002)
A3C0539350020	1381-4552301003	24V	with CAN-R	Standard	DTCO 24V-ADR RTR R3.0A EC/GGVS Serie, Renault Trucks T, K (TEA2+)	A2C1753620020 (1381-4552301002)
<b>SCANIA</b>						
A3C0538980020	1381-4521302002	24V	with CAN-R	Standard	DTCO 24V-ADR SCA R3.0A EC/GGVS Serie, Scania R, G, P series	A3C0106160020 (1381-4521302001)
A3C0538990020	1381-4551302002	24V	w/o CAN-R	Standard	DTCO 24V-ADR SCA R3.0A EC/GGVS Serie, Scania S, R, G, P, L series (MY2017)	A3C0106180020 (1381-4551302001)
<b>VOLVO</b>						
A3C0539810020	1381-2562003002	24V	with CAN-R	Standard	DTCO 24V-ADR VON R3.0A EC/GGVS Serie, Volvo FH/FM (TEA2)	A3C0001260020 (1381-2562003001)
A3C0539730020	1381-1562303005	24V	with CAN-R	Standard	DTCO 24V VON R3.0A EC Serie, Volvo FH/FM 2013 (TEA2+)	A2C1753690020 (1381-1562303002)
A3C0539720020	1381-4562301005	24V	with CAN-R	Standard	DTCO 24V-ADR VON R3.0A EC/GGVS Serie, Volvo FH/FM 2013 (TEA2+)	A2C1753660020 (1381-4562301002)
<b>VOLVO</b>						
A3C0539900020	1381-0621003002	12V	2x1,3 kOhm	Standard	DTCO 12V VWN R3.0A EC Serie, VW T6, Amarok	A3C0023720020 (1381-0621003001)



## Digital Tachograph DTCO® 3.0

DTCO® 3.0 Order number	DTCO® 3.0 internal product number	Volt	Bel. Illu.	IMS	Description Vehicle/type	DTCO® 3.0 Universal"
VDO UNIVERSAL						
A2C1648490020	1381-7550303001	24V 12V	weiß	●	"UNIVERSAL ADR Z2 CAN R=120Ω"	A2C1648490020 (1381-7550303001)
A2C1648500020	1381-7550303002	24V 12V	weiß	●	UNIVERSAL ADR Z2 ohne CANR / w/o CANR	A2C1648500020 (1381-7550303002)
A2C1648480020	1381-4550302002	24V 12V	weiß	●	UNIVERSAL ADR Z1 ohne CANR / w/o CANR	A2C1648480020 (1381-4550302002)
A3C0560490020	1381-7550303004	24V 12V	weiß	●	DTCO 24V-ADR VKF R3.0 EC/GGVs Serie, w/o CAN-R	A3C0560490020 (1381-7550303004)
A2C1648470020	1381-4550302001	24V	weiß	●	"UNIVERSAL ADR Z1 CAN R=120Ω"	A2C1648470020 (1381-4550302001)
A2C1648480020	1381-4550302002	24V	weiß	●	DTCO 24V-ADR VKF R3.0 EC/GGVs Serie Z1, w/o CAN-R	A2C1648480020 (1381-4550302002)
VDO SCHULUNG / TRAINING						
A2C1807590020	1381-4550002004	24V	weiß	●	"Schulung / Training Testkey"	-
Alexander Dennis						
A2C1907430020	1381-1511003003	24V	orange	●	Truck + Bus MY2018	A2C1648500020 (1381-7550303002)
DAF						
A2C1704920020	1381-2511303002	24V	orange	●	LF, CF, XF	A2C1648490020 (1381-7550303001)
Dennis Eagle						
A2C1719930020	1381-1500103003	24V	gelb	●	Trucks UK	A2C1648490020 (1381-7550303001)
EvoBus						
A2C1680670020 <sup>3</sup>	1381-1520104001 <sup>3</sup>	24V	grün	-	Setra, Mercedes-Benz	A2C1648490020 (1381-7550303001)
A2C1680620020	1381-1520103002	24V	grün	●	Setra, Mercedes-Benz	A2C1648490020 (1381-7550303001)
A2C1680680020	1381-1500103002	24V	gelb	●	Setra, MB (B2E)	-
Fendt (AGCO)						
A2C1754020020	1381-0500003002	12V	gelb	●	900-1000 Vario	A2C1648500020 (1381-7550303002)
Fiat / PSA						
A2C1854850020	1381-0531003005	12V	orange	●	Ducato, Boxer, Jumper	A2C1648500020 (1381-7550303002)
Ford						
A2C1680520020	1381-0570303001	12V	iceblue	●	Transit (V362/3, 2013)	A2C1648500020 (1381-7550303002)
A2C1648460020	1381-0580303001	12V	iceblue	●	Transit (V362/3, 2015) [Panther]	A2C1648500020 (1381-7550303002)
Isuzu						
A2C1868830020	1381-1510003001	24V	orange	●	Midbus	A2C1648500020 (1381-7550303002)

DTCO® 3.0 Order number	DTCO® 3.0 internal product number	Volt	Bel. Illu.	IMS	Description Vehicle/type	DTCO® 3.0 Universal"
Iveco + Irisbus						
A2C1751210020 <sup>3</sup>	1381-0522004002 <sup>3</sup>	12V	grün	–	Daily S2000	A2C1648500020 (1381-7550303002)
A2C1750600020	1381-0532103006	12V	orange	●	Daily MY 2007	A2C1648500020 (1381-7550303002)
A2C1750540020	1381-0532103005	12V	orange	●	Daily MY 2012	A2C1648500020 (1381-7550303002)
A2C1750510020	1381-0532103004	12V	orange	●	Daily MY 2014	A2C1648500020 (1381-7550303002)
A2C1750900020	1381-1552103004	24V	weiß	●	"Stralis MY 2013 NonADR"	A2C1648490020 (1381-7550303001)
A2C1750890020	1381-1552103003	24V	weiß	●	"Stralis MY 2017 NonADR"	A2C1648490020 (1381-7550303001)
A2C1750940020	1381-4552101004	24V	weiß	●	Stralis MY 2017 ADR	A2C1648470020 (1381-4550302001)
Mercedes-Benz						
A2C1989840020	1381-0552003002	12V	"weiß 3.0 ->"	●	Sprinter (T1N+NCV3)	A2C1648500020 (1381-7550303002)
Renault Trucks						
A2C1753900020	1381-2512303003	24V	orange	●	Magnum, Kerax, Premium, Midlum	A2C1648500020 (1381-7550303002)
A2C1753650020	1381-1552303002	24V	weiß	●	T, K, C series (TEA2+) NonADR	A2C1648490020 (1381-7550303001)
A2C17536200210	1381-4552301002	24V	weiß	●	T, K, C series (TEA2+) ADR	A2C1648470020 (1381-4550302001)
A2C1753770020	1381-1512303003	24V	orange	●	C, D series (P155x) NonADR	A2C1648490020 (1381-7550303001)
A2C1753720020	1381-2512303004	24V	orange	●	C, D series (P155x) ADR	A2C1648490020 (1381-7550303001)
Scania						
	1381-4551302001	24V	weiß	●	S, R series (MY2017)	A2C1648480020 (1381-4550302002)
Solaris Bus						
A2C1728410020	1381-1520003005	24V	grün	●		A2C1648500020 (1381-7550303002)
Tatra						
A2C1754030020	1381-1520003003	24V	grün	●	Trucks	A2C1648490020 (1381-7550303001)
VanHool						
A2C1754030020	1381-1520003003	24V	grün	●	Bus & Coach	A2C1648490020 (1381-7550303001)
VDL Goup						
A2C1907450020	1381-1520103003	24V	grün	●	Bus & Coach	A2C1648490020 (1381-7550303001)
Volvo Trucks						
A2C1753690020	1381-1562303002	24V	grünlich weiß	●	FH/FM 4 (TEA2+) NonADR	A2C1648490020 (1381-7550303001)
A2C1753660020	1381-4562301002	24V	grünlich weiß	●	FH/FM 4 (TEA2+) ADR	A2C1648470020 (1381-4550302001)
A2C1753810020	1381-1502303004	24V	gelb	●	FE/FL MY '14 (P155x) NonADR	A2C1648490020 (1381-7550303001)
A2C1753790020	1381-2502303004	24V	gelb	●	FE/FL MY '14 (P155x) ADR	A2C1648490020 (1381-7550303001)
VW						
A3C0023720020	1381-0621003001	12V	"weiß 3.0 ->"	●	T5 / T6 / Amarok	–





## VDO Counter – The Smart Calculator for Driving and Rest Periods

With the DTCO®, VDO offers a smart calculator that determines the driver's remaining driving and rest periods in real-time and shows them directly on the display of the DTCO®.

If you are using optional accessories such as the DTCO® SmartLink, you can also call up information from the VDO counter on your smartphone. With the Counter, VDO is setting new standards for comfort, safety and efficiency. Now, the optional VDO Counter function in the DTCO®, can take over tedious manual recording and calculation tasks from your drivers.

The VDO Counter not only reliably calculates driving and rest periods per shift, but also for the week and two week period. It also informs drivers of upcoming changes in their activities and their duration while they are driving. Update Card for VDO Counter.

Order number	Description
A2C5951660366	Update Card for 1x DTCO® Counter Update
A2C5951660466	Update Card for 10x DTCO® Counter Update

### Display of current driving and rest times

Whether at motorway service areas, in the yard or while driving – your drivers will always know their remaining driving times and when to stop for a break.

VDO 01h30 Remaining driving time  
H00h45 Duration of the next driving time interruption

01h30

H00h45 P

### Display for current shift and week

Your drivers can easily retrieve their driving and rest times for the current shift or week.

Display for current shift  
VDO24h 07h00 Remaining daily driving time  
H09h00 11h00 Remaining time until the next daily rest  
Duration of the next daily rest

07h00

11h00

H09h00

### Display of status information

Status information provides your drivers with a quick overview of available reduced daily rest times, extended driving times and upcoming compensation times.

Display of status information  
VDOi H9h 1 Reduced daily rest times available  
1h21h00 010h 1 Available shifts with 10 hours' driving time  
Compensation for reduced weekly rest period

MON TUE WED THU FRI SAT H9h

010

# DTCO® SmartLink Pro – Your Tachograph Can Do More.

The DTCO® SmartLink (Android) or DTCO® SmartLink Pro (Android + iPhone) are Bluetooth® modules that can easily be plugged into the front interface of the DTCO®. They allow drivers to benefit from a wide variety of functions through the VDO Driver App – even if the DTCO® is not installed in the visible area. Drivers can now operate the DTCO® using their smartphones to access a variety of information on the go.

## Advantages

- Calendar function displays all driver card data
- Visualization of VDO Counter data such as driving and rest periods
- Easily plan upcoming breaks. Set a wake-up call for the end of each break
- Simplified manual additions for the time between two shifts
- DTCO® remote control
- Uses a large number of VDO apps
- TIS Web® Messaging
- Driver card download in combination with TIS Web® above DTCO® 1.4 (in planning for DTCO® 4.0)
- 

Order number	Description
1981-2000000101	DTCO® SmartLink Pro for Android and iOS operating systems

<https://www.fleet.vdo.com/products/dtco-smartlink-pro/>

Für Fahrer und Flottenmanager



<https://play.google.com/store/search?q=VDO&c=apps&authuser>



<https://itunes.apple.com/de/app/vdo-driver/id716603371>





# Overview of Apps

Smart apps from VDO make the everyday working lives of drivers and fleet managers easier by offering more comfort, a good overview and economic efficiency.



## For drivers: VDO Driver App

Call up key information like driving and rest periods, daily and weekly working hours or driver card data on a mobile device with the **VDO Driver App**. This means you are always connected to your digital tachograph, even when outside the driver's cab, and can plan the best possible routes and breaks.



VDO Driver

## For fleet managers: TIS Web® Fleet App

Our extra service for TIS-Web® customers:

- The **TIS Web® Fleet App** offers all functions of the driver app and other practical options
- Simple communication between the office and drivers via text message
- Automatic data download reminders
- Transmission of latest tachograph data via the DTCO® SmartLink
- Structured pre-departure checks where photos and comments can be added to reports



TIS-Web® Fleet

## For fleet managers: DTCO® Configuration App

You as fleet manager have the opportunity, to configure the digital tachograph from release DTCO® 3.0 and 4.0 on your own.

- Saving valuable downtime, as the DTCO® configuration in a new truck takes only a few minutes.
- Ignition switched on or off and what vehicle data should be stored inside the tachograph.
- Warnings for driving time limits, over speeding or driver card downloads can be configured.
- Upload the logo file via the app on to the tachograph print out.



DTCO® Configuration App

<http://www.fleet.vdo.de/fahrer/den-fahreralltag-erleichtern/alle-apps-im-ueberblick/>

# Analogue Tachographs 1324 (ADR variation).



MTCO 1324

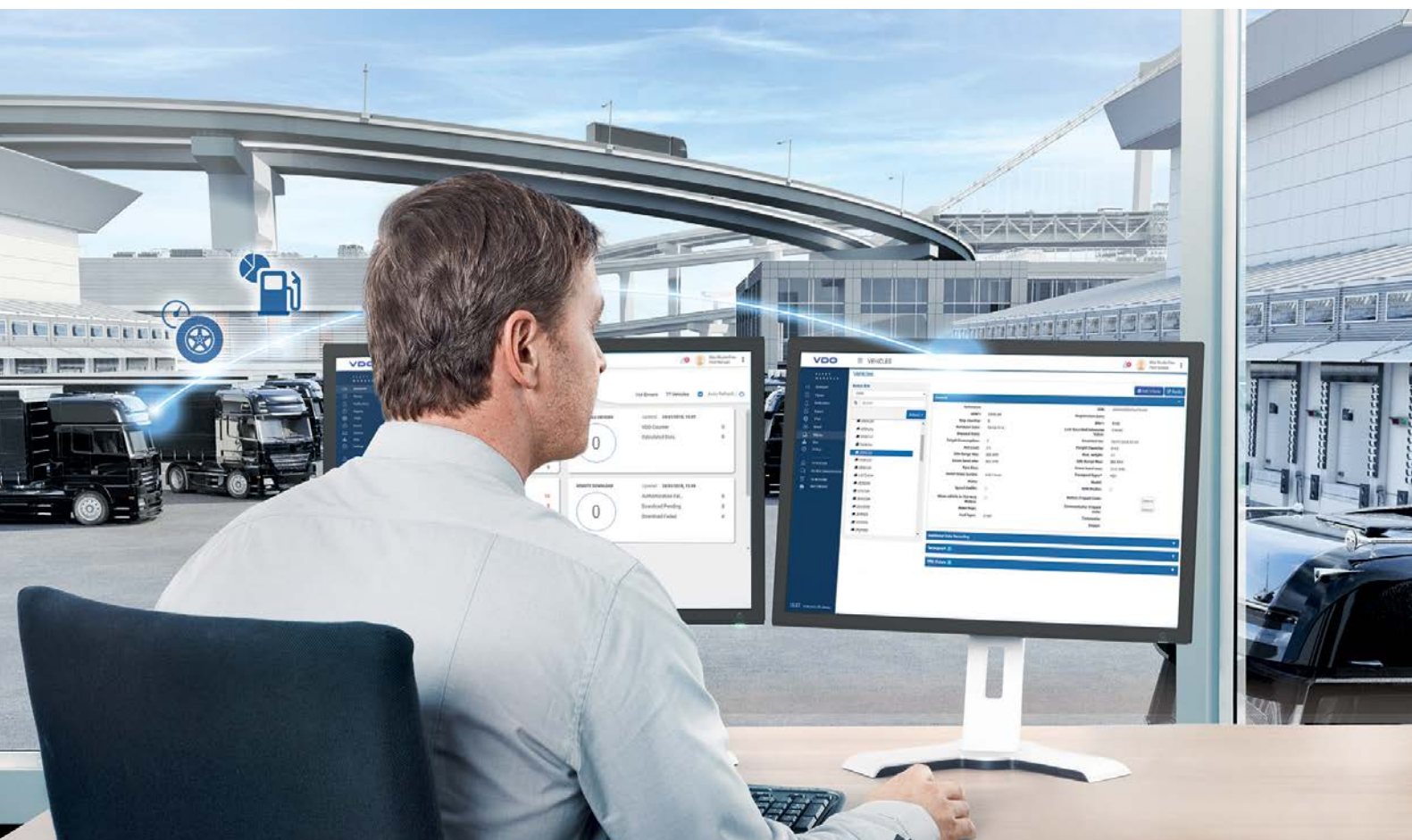
## MTCO 1324 (ADR variation)

DIN format analog tachograph.

Order number	Description	Voltage	Display	Vehicle/type
<b>DAF</b>				
1324514015920104B	CAN drawer /flap 125 km/h	24 V	amber	CF
<b>Iveco</b>				
1324710015400100B	CAN/ADR drawer/flap 125 km/h	24 V	Green	Stralis
<b>Mercedes-Benz</b>				
1324710015420300B	125 km/h	24 V		Actros,
1324710015140300B	125 km/h	24 V		Actros,
<b>Neoplan</b>				
1324510012030100B	CAN/ADR drawer/flap 125 km/h	24 V	Green	Evo Bus
<b>Scania</b>				
1324710815730100B	CAN/ADR drawer/flap 125 km/h	24 V	Green	4 Series
1324510015520300B	CAN drawer /flap 125 km/h	24 V	Green	R-Series
<b>Setra/Evobus</b>				
1324512015720102B	K-Line drawer/flap 125 km/h	24 V	Green	
<b>Volvo</b>				
1324523015170303B	CAN/A2 lighting drawer /flap 125 km/h	24 V	Yellow	FL6

## MTCO 1324 replacement

Bestellnummer	Beschreibung/Spannung	Display	Fahrzeug/Typ
<b>DAF</b>			
1324/714015940104T	24V-ADR v125 CAN120	orange/A2	
<b>EvoBus</b>			
1324/512015720102T	24V v125 CAN120	grün/A2	
<b>Iveco</b>			
1324/710015400100T	24V-ADR v125 CAN120	grün/A2	
1324/601052660001T	12V v180 K-L	grün	DailyS2000
<b>MAN</b>			
1324/710215680100T	24V-ADR v125 CAN120	orange/C	
<b>Mercedes</b>			
1324/610052050100T	12V v180 CAN120		Sprinter T1N99
1324/640052640500T	12V v180 IESCAN		Sprinter T1N03
1324/710015140300T	24V-ADR v125 CAN120	gelb/C	Actros
1324/710015420300T	24V-ADR v125 CAN120	grün/C	Actros
<b>Renault</b>			
1324/714015260104T	24V-ADR v125 CAN120	orange/C	
<b>Scania</b>			
1324/510015520300T	24V v125 CAN120	grün/C	
<b>Volvo</b>			
1324/713015470303T	24V-ADR v125 CAN120	gelb/C	FH





# E-Tacho 1323.

The 1323 electronic tachometer offers a modular structure and the option of a customer-specific front design for harmonious integration into the cockpit generations of today and tomorrow. The E-Tacho 1323 provides the legally required speed display either on a stand-alone basis or in conjunction with MTCO radio-format tachographs such as the DTCO®. In stand-alone use, the E-Tacho 1323 directly evaluates pulse generator signals; the K-Line or CAN interface are used in conjunction with the tachographs.

Order number	Description	Voltage	Lighting
1323-030103000523	125 km/h or 80 Mph CAN round front	24 V	white/LCD green
1323-030103000623	125 km/h or 80 Mph CAN round front	24 V	white/LCD green
1323-030104000523	125 km/h or 80 Mph CAN round front	24 V	white/LCD green
1323-030104000623	125 km/h or 80 Mph CAN round front	24 V	
1323-030103117323	125 km/h or 80 Mph CAN120 for MAN F2000 black rectangular front	24 V	
1318-420020117623	125 km/h or 80 Mph rectangular front	24 V	None
1323-030103016423	125km/h or 80 Mph CAN120 round front	24 V	white/LCD amber
1323-030103010423	125 km/h or 80 Mph CAN120, FTCO1319 design like MB Actros	24V	green/LCD green
1323-030103000653	180 km/h or 110 Mph CAN 120 round front	12 V	white/LCD green
1318-420000114423	125 km/h or 80 Mph dark gray rectangular front for Iveco	24 V	



E-Tacho 1323 speedometer

# Spare Parts for Tachographs.

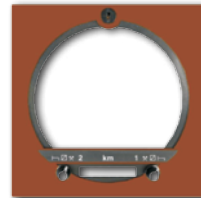
## Front and Counter Attachments.



1318 Front for 2 drivers



1318 Front for 1 driver



1318 Front for MAN

1318 Front for  
Mercedes-BenzRound standard  
front for 1318

Counter attachment

Order number	Description
1318-0101-011-011	Front ring for 1318 tachographs for 2 drivers
1318-0201-015-001	Counter attachment
1318-0101-011-021	Front ring for 1318 tachographs for 2 drivers RPM
1318-0201-015-110	Counter attachment
1318-0101-011-780	1318 Front for Mercedes-Benz, rectangular, black, 2 drivers
1318-0201-015-170	Counter attachment
1318-0101-011-830	1318 Front for Renault Premium, black, rectangular, 2 drivers
1318-0201-015-180	Counter attachment
1318-0101-011-280	1318 Front for Scania, black, rectangular, 2 drivers
1318-0201-015-040	Counter attachment
1318-0101-011-092	1318 Front for Volvo, black, rectangular, 2 drivers
1318-0201-015-012	Counter attachment
1318-0101-011-890	Front ring complete for MB, 2 drivers, T2W

## Other

Order number	Description
<b>Odometer</b>	
1318-0207-000-010	Odometer 1318
<b>Lock</b>	
1318-9999-027-000	1318 lock, kit
<b>Wiring harness</b>	
1318-90100000	1318/1319/1324/1381 wiring harness (power supply)
<b>Connection</b>	
HW41-008	4-pin connection (1311/1314)
HS53-6600-081	1318/1319/1324/1381 Mini-Timer connection, white
HS53-6600-082	1318/1319/1324/1381 Mini-Timer connection, yellow
HS53-6600-083	1318/1319/1324/1381 Mini-Timer connection, red
HS53-6600-084	1318/1319/1324/1381 Mini-Timer connection, brown
<b>Terminal</b>	
HW32-260	Mini-Timer terminal
<b>Built-in console</b>	
X39-140-000-011	DTCO®/MTCO Universal built-in console 1DIN (complete)
<b>Installation frame</b>	
1324-90010500	DTCO®/MTCO installation frame
<b>End cap</b>	
A2C5951205566	DTCO® 1.4 to 2.1 front interface end cap, rubber (2 units.)
<b>Repair set</b>	
A2C5951185866	DTCO® Repair set operating panel (printer feed)



Odometer 1318



DTCO® Front interface end caps



Mini-Timer terminal



DTCO® Repair set for operating panel



1318 lock, kit



4-pin connection



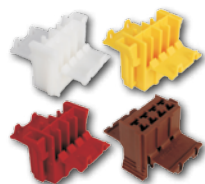
DTCO®/MTCO installation frame



DTCO®/MTCO Universal built-in console 1DIN (complete)



Wiring harness



Mini-Timer connection





# Speed Sensors.



1314 pulse generator  
female thread M22X1.5



1314 Pulse generator female  
thread 7/8-18 UNS



1318 pulse generator  
female thread M22X1.5



1318 pulse generator  
male thread M22X1.5

## 1314 Pulse Generator

Order number	Description
2155-01000002	Female thread M22X1.5
2155-03000002	Female thread 7/8-18 UNS



1318 Pulse generator with 4  
round connectors

## 1318 Pulse Generator

Order number	Description
<b>Female thread</b>	
2159-01000003	Female thread M22X1.5
<b>Male thread</b>	
2159-02000003	Male thread M22X1.5
<b>Pulse generator</b>	
2159-20002101	L=19.8 mm with 1.2 mm washer
2159-20002301	L=25 mm with 1.2 mm washer
2159-20002201	L=90 mm with 1.2 mm washer
2159-20102101	L=19.8 mm with 1.2 mm washer 4x round connector
2159-20100301	L=25 mm without washer 4x round connector
2159-20102201	L=90 mm with 1.2 mm washer 4x round connector
2159-20102301	L=25 mm with 1.2 mm washer 4x round connector
2159-20102401	L=63.2 mm with 1.2 mm washer 4x round connector
2159-20102501	L=35 mm with 1.2 mm washer 4x round connector
2159-20102601	L=136 mm with 1.2 mm washer 4x round connector
2159-20102801	L=136 mm with 1.2 mm washer 4x round connector
2159-20104101	L=19.8 mm with 1.2 mm washer 4x round connector



1318 Pulse generator with 1.2  
mm washer



1319 Pulse generator with cable

## 1319 Pulse Generator with Cable.

Order number	Description
2159-3022022401	L=2.240 mm cable bracket 30° 2:1 splitter with yellow connector
2159-3031041001	L=4.100 mm cable bracket 30° 1:1 splitter with bayonet connector

## 1318 Active Pulse Generator

Order number	Description
2159-50003102	L=19.8 mm with 1.8 mm washer
2159-50004102	L=19.8 mm with 1.2 mm washer
2159-50004202	L=90 mm with 1.2 mm washer
2159-50004302	L=25 mm with 1.2 mm washer
2159-50004402	L=63.2 mm with 1.2 mm washer
2159-50004502	L=35 mm with 1.2 mm washer
2159-50004602	L=25 mm without washer
2159-50004702	L=63.2 mm without 1.2 mm washer
2159-50004802	L=115 mm with 1.2 mm washer
2159-50014202	L=90 mm with 1.2 mm washer Volvo connection



1318 Active pulse generator

## 1314 Pulse Generator Cable

Order number	Description
2155-50010750	1314 Generator cable 7.5 m
2155-50011000	1314 Generator cable 10 m
2155-50011500	1314 Generator cable 15 m



1314 Pulse generator cable

## 1318 Pulse Generator Cable

Order number	Description
2159-80010500	1318 Generator cable 5 m
2159-80010750	1318 Generator cable 7.5 m
2159-80011500	1318 Generator cable 15 m



1318 Pulse generator cable

## 2170 KITAS Cable

Order number	Name	Length
2170-80010850	KITAS cable	8.5 m
2170-80011500	KITAS cable	15.0 m
2170-80210420	KITAS cable	4.2 m
2170-80220280	KITAS cable, 90°	2.8 m
2170-80650400	KITAS cable	4.0 m
2170-80012000	KITAS cable	20.0 m
2170-80012200	KITAS cable	22.0 m



KITAS cable



## KITAS 2+ Pulse Generator

Order number	Description	Vehicle/type
<b>Female thread</b>		
2171-01000010	KITAS 2+ female thread M22x1.5 right	MAN, Fiat, PSA, Nissan, Mitsubishi
2171-02000010	KITAS 2+ male thread M22x1.5 left	Trading
2171-03000010	KITAS 2+ female thread 7/8	DAF, Volvo, Iveco, Renault Trucks
2171-07010110	KITAS 2+ female thread M18x1.5 right; 4 Imp./U.	VW
2171-08010010	KITAS 2+ female thread M18x1.5 right 8 Imp./U.	Renault,GM Opel/Vauxhall, Nissan
<b>KITAS 2+ L=19.8 mm</b>		
2171-20000315	KITAS 2+ L=19.8 mm without washer	Iveco Eurocargo
2171-20002115	KITAS 2+ L=19.8 mm with 1.2 mm washer	DAF, Iveco, MAN, Renault Trucks, Evo Bus, Van Hool, Bova, Neoplan, Iris Bus, Voord, Scania
2171-20006115	KITAS 2+ L=19.8 mm with 1.8 mm washer	Iveco Daily, Renault Trucks, Irisbus, Renault
<b>KITAS 2+ L=23.8 mm</b>		
2171-20100315	KITAS 2+ L=23.8 with O-Ring	Volvo, Renault Trucks
<b>KITAS 2+ L=25 mm</b>		
2171-20000115	KITAS 2+ L=25 mm without washer	Mercedes-Benz, Iveco, Van Hool
2171-20002315	KITAS 2+ L=25 mm with 1.2 mm washer	DAF, Iveco, MAN, Nissan, Renault Trucks, Scania, Volvo, Irisbus
<b>KITAS 2+ L=35 mm</b>		
2171-20002515	KITAS 2+ L=35 mm with 1.2 mm washer	Mercedes-Benz, Iveco, MAN, Scania, VanHool, Volvo, DAF
<b>KITAS 2+ L=63.2 mm</b>		
2171-20000215	KITAS 2+ L=63.2 mm without washer	Iveco, Fiat, Mercedes-Benz
2171-20002415	KITAS 2+ L=63.2 mm with 1.2 mm washer	Mercedes-Benz, Iveco
2171-20302415	KITAS2+ 4:1 L=63.2 mm with 1.2 mm washer	Ford
<b>KITAS 2+ L=90 mm</b>		
2171-20002215	KITAS 2+ L=90 mm with 1.2 mm washer	DAF, Mercedes-Benz, Iveco, Renault Trucks, Volvo, Evo Bus, Van Hool, Bova, Neoplan, Irisbus, MAN, Scania
<b>KITAS 2+ L=115 mm</b>		
2171-20002815	KITAS 2+ L=115 mm with 1.2 mm washer	Iveco, Volvo, MAN
<b>KITAS 2+ L=136.8 mm</b>		
2171-20002615	KITAS 2+ L=136.8 mm with 1.2 mm washer	Neoplan, Iveco, Irisbus, MAN, Scania, VanHool
<b>KITAS 2+ Telma</b>		
2171-20502515	KITAS 2+ Telma L=35 mm with 1.2 mm washer	For vehicles with Telma eddy current brakes
2171-20502215	KITAS 2+ Telma L=90 mm with 1.2 mm washer	For vehicles with Telma eddy current brakes
2171-20502815	KITAS 2+ Telma L=115 mm with 1.2 mm washer	For vehicles with Telma eddy current brakes
<b>KITAS 2+ cable</b>		
2171-32810390	KITAS 2+ 1:1 cable 3.90 m	Mercedes Sprinter, VW LT 4 WD LHD
2171-32210440	KITAS 2+ 1:1 cable 4.40 m	Mercedes Sprinter, VW LT 4 WD LHD
2171-32240410	KITAS 2+ 4:1 cable 4.0 m	Mercedes Sprinter LHD Automatic
2171-32810226	KITAS 2+ 1:1 cable 2.26 m	Mercedes Sprinter, VW Crafter, after 2006
2171-32840226	KITAS 2+ 4:1 cable 2.26 m	Mercedes Sprinter, VW Crafter, after 2006
2171-32840360	KITAS 2+ 4:1 cable 3.60 m	Mercedes Sprinter, VW Crafter, after 2006

## KITAS 2+ Pulse Generator (continuation)

Order number	Description	Vehicle/type
<b>KITAS 2+ VW</b>		
2171-3102003501	KITAS 2+ VW without connector	VW T5
<b>KITAS 2+ DYN</b>		
2171-50002201	KITAS 2+ DYN L=90 mm with 1.2 mm washer	Renault, Evo Bus, Van Hool, Bova, Neoplan, Irisbus
2171-50002801	KITAS 2+ DYN L=115 mm with 1.2 mm washer	Evo Bus, Van Hool, Bova, Neoplan, Irisbus, Mercedes-Benz, MAN



KITAS 2+



KITAS 2+ cable



1318 Pulse splitter



MTCO 1324 Pulse splitter



Pulse adapter



Limit transmitter

## Pulse Splitter/Adapter

Order number	Description
<b>Pulse splitter</b>	
X39-415-000-008	1318 Pulse splitter
X39-415-000-013	MTCO 1324 Pulse splitter
<b>Pulse adapter</b>	
X39-415-000-009	Pulse adapter
<b>Limit transmitter</b>	
2158-13002400	Limit transmitter 24V 1S, 1310/1314
2158-22002400	Limit transmitter 24V 1S, 1 km fixed
2158-23001200	Limit transmitter 12V 1S, adjustable
2158-23002400	Limit transmitter 24V 1S, adjustable



## KITAS 4.0 Sensor

Order number	Internal product number	Description	Vehicle/type
<b>KITAS 4.0</b>			
A3C0605170020	2185-2000010002	"KITAS4: Geschw-Geber 2185.20 18mm Rel.1.10 KITAS4: speed sensor 2185.20 18mm Rel.1.10"	Iveco etc.
A3C0605190020	2185-2000020002	"KITAS4: Geschw-Geber 2185.20 18,6mm Rel.1.10 KITAS4: speed sensor 2185.20 18.6mm Rel.1.10"	DAF, MAN, Iveco, Van-Hool, VDL, ZF etc.
A3C0605200020	2185-2000030002	"KITAS4: Geschw-Geber 2185.20 19,8mm Rel.1.10 KITAS4: speed sensor 2185.20 19.8mm Rel.1.10"	Isuzu MIDI, Iveco etc.
A3C0605210020	"2185-2000040002 2185-2030040002 (DAG)"	"KITAS4: Geschw-Geber 2185.20 23,8mm Rel.1.10 KITAS4: speed sensor 2185.20 23.8mm Rel.1.10"	Allison, DAF, Daimler, Dennis Eagle, Fiat/PSA, Irizar, Iveco, MAN, Renault Trucks, Tatra, ZF etc.
A3C0605220020	"2185-2000050002 2185-2030050002 (DAG)"	"KITAS4: Geschw-Geber 2185.20 25mm Rel.1.10 KITAS4: speed sensor 2185.20 25mm Rel.1.10"	Daimler, Irizar etc.
A3C0605230020	"2185-2000060002 2185-2030060002 (EvoB)"	"KITAS4: Geschw-Geber 2185.20 33,8mm Rel.1.10 KITAS4: speed sensor 2185.20 33.8mm Rel.1.10"	Alexander Dennis, Iveco, Ebusco, EvoBus, MAN, Scania, Solaris, Tatra, VanHool, Volvo etc.
A3C0605250020	"2185-2000070002 2185-2030070002 (DAG)"	"KITAS4: Geschw-Geber 2185.20 62mm Rel.1.10 KITAS4: speed sensor 2185.20 62mm Rel.1.10"	BYD, Daimler, Fiat/PSA, VW etc.
A3C0605260020	2185-2000080002	"KITAS4: Geschw-Geber 2185.20 63,2mm Rel.1.10 KITAS4: speed sensor 2185.20 63.2mm Rel.1.10"	
A3C0605270020	"2185-2000090002 2185-2030090002 (DAG)"	"KITAS4: Geschw-Geber 2185.20 88,8mm Rel.1.10 KITAS4: speed sensor 2185.20 88.8mm Rel.1.10"	Daimler, Dennis Eagle, Iveco, MAN, Solaris, Temsa, VDL, ZF etc.
A3C0605290020	2185-2000100002	"KITAS4: Geschw-Geber 2185.20 113,8mm Rel.1.10 KITAS4: speed sensor 2185.20 113.8mm Rel.1.10"	



## KITAS 4.0 Pulse Generator (Continuation)

Order number	Internal product number	Description	Vehicle/type
<b>KITAS 4.0</b>			
A3C0605210020	"2185-2000040002 2185-2010040002 (VOLVO)"	"KITAS4: Geschw-Geber 2185.20 23,8mm Rel.1.10 KITAS4: speed sensor 2185.20 23.8mm Rel.1.10"	Renault Trucks, Volvo
A3C0605180020	2185-2000011002	"KITAS4: Geschw-Geber 2185.20 18mm Rel.1.10 (4:1) KITAS4: speed sensor 2185.20 18mm Rel.1.10 (4:1)"	Iveco, VW etc.
A3C0605330020	2185-2020071002	"KITAS4: Geschw-Geber 2185.20 62mm Rel.1.10 (4:1) KITAS4: speed sensor 2185.20 62mm Rel.1.10 (4:1)"	Ford
A3C0605240020	2185-2000060102	"KITAS4: Geschw-Geber 2185.20 33,8mm Rel.1.10 TELMA KITAS4: speed sensor 2185.20 33.8mm Rel.1.10 TELMA"	VW etc.
A3C0605280020	2185-2000090102	"KITAS4: Geschw-Geber 2185.20 88,8mm Rel.1.10 TELMA KITAS4: speed sensor 2185.20 88.8mm Rel.1.10 TELMA"	Iveco, Temsa etc.
A3C0605300020	"2185-2000100102 2185-2030100102 (EvoB)"	"KITAS4: Geschw-Geber 2185.20 113,8mm Rel.1.10 TELMA KITAS4: speed sensor 2185.20 113.8mm Rel.1.10 TELMA"	EvoBus etc.
A3C0608540020	2185-3281022202	"Geschw-Geber/speed sensor CA TCO 181_390 (1:1) Stecker/plug: 4-Pol violett/violet Rel.1.10"	Ersatzteil/Spare part (Daimler, VW)
A3C0608550020	2185-3284022202	"Geschw-Geber/speed sensor CA TCO 184_360 (4:1) Stecker/plug: 4-Pol violett/violet Rel.1.10"	Ersatzteil/Spare part (Daimler, VW)
A3C0608500020	2185-3241009102	"Geschw-Geber/speed sensor CA TCO 141_091 VS20 1:1 Stecker/plug: Hirschmann Wärmeschutzschlauch/heat resistant tube Rel.1.10"	Daimler (Mercedes-Benz Vito, V-Klasse MY2019)
A3C0608510020	2185-3244009102	"Geschw-Geber/speed sensor CA TCO 144_091 VS20 4:1 Stecker/plug: Hirschmann Wärmeschutzschlauch/heat resistant tube Rel.1.10"	Daimler (Mercedes-Benz Vito, V-Klasse MY2019)
A3C0608520020	2185-3251009202	"Geschw-Geber/speed sensor CA TCO 151_092 VS30-A 1:1 Stecker/plug: Hirschmann Wärmeschutzschlauch/heat resistant tube Rel.1.10"	Daimler (Mercedes-Benz Sprinter MY2019)
A3C0608530020	2185-3251010302	"Geschw-Geber/speed sensor CA TCO 151_103 VS30-S 1:1 Stecker/plug: Hirschmann Wärmeschutzschlauch/heat resistant tube Rel.1.10"	Daimler (Mercedes-Benz Sprinter MY2019)
A3C0608560020	2185-3291013902	"Geschw-Geber/speed sensor CA TCO 139 VW LF1 B2 1:1 Stecker/plug: VW/Tyco Wellrohr/corrugated tube Rel.1.10"	VW Crafter 2
<b>KITAS 4.0 Testkey</b>			
A3C0605440010	2185-200002000215	"Geschw-Geber 2185.20T(raining) 18,6mm Rel.1.10 speed sensor 2185.20T(raining) 18.6mm Rel.1.10"	Testkey



KITAS 4.0 Testing device UV-Set		
2910002146700	Testing device UV-Set	<b>Contains:</b> 1 x VDO carrying case 1 x USB charger 1 x Battery pack (accumulator) 1 x KITAS plastic test sample 1 x Test card with UV seal
2910002544300	Seal KITAS 4.0	50 pieces
2910002066500	Clamping element lead seal 4.0 (nut)	1 piece



Testing device UV-Set for KITAS 4.0 Sensor



KITAS 4.0



Seal KITAS 4.0



Clamping element lead seal 4.0 (nut)

# Printer Paper and Diagram Charts.



DTCO® printer paper

## Printer Paper

Original printer paper by VDO was specially developed for use in vehicles and has a special coating that ensures excellent legibility and durability, even when exposed to wide temperature fluctuations.

Order number	Description
1381-90030300	DTCO® printer paper (box of 3 rolls)
1381-90030300X	DTCO® printer paper in POS dispenser (20 boxes per dispenser)



Diagram chart

## Diagram Charts

Original diagram charts from VDO are fully coordinated to work with the high-quality registration technology of analog tachographs, guaranteeing very low wear to registration pins, optimal precision and excellent analytic capabilities.

Order number	Description
1900-51150000	Diagram chart 180-24EC-4B (box of 100 units)
1900-53090000	Diagram chart 100-24/2EC-4B (box of 100 units)
1900-53120000	Diagram chart 125-24/2EC-4B (box of 100 units)
1900-53130000	Diagram chart 140-24/2EC-4B (box of 100 units)
1900-54090400	Diagram chart 100-3300-24/2EC-4B (box of 100 units)
1900-54120400	Diagram chart 125-3300-24/2EC-4B (box of 100 units)
1900-57090000	Diagram chart 100-24 EC4K (box of 100 units)
1900-57120000	Diagram chart 125-24 EC4K (box of 100 units)
1900-57120015	Diagram chart 125-24EC-4KA (box of 100 units)
1900-57130000	Diagram chart 140-24EC-4K (box of 100 units)
1900-58120400	Diagram chart 125-3300-24EC-4K (box of 100 units)

# Accessories.

## Driver Folder

Storage folder with sections for diagram charts and printer paper.

Order number	Description
A2C59512194	Driver folder for diagram charts and printer paper.



Driver folder

## Protective Covers

Plastic covers for storing diagram charts Suitable for archiving in common 2 or 4-ring binders.

Order number	Description
1909-08000000	Protective covers (100 units of each)



Protective covers

## Blind Chart

For use if no diagram chart is to be used.

Order number	Description
1909-12000100	Blind chart



Diagram analysis chart

## Test Template

For reviewing testing diagrams to determine legal tolerance values.

Order number	Description
1999-7016-004-001	Test template (for 1999-7016-003-000)
1999-7016-003-000	Mat for test template



Prüfschablone



Untersatz für die  
Prüfschablone



Messbereich der Prüfschablone





# Solutions for fleets and drivers

In order to comply with the statutory archiving obligation, you must regularly read the data from the mass memory of the digital tachograph and from the driver card. Various innovative download solutions from VDO are available for reading, analysing and archiving the data.

- Our automatic wireless solutions are particularly efficient and time-saving: Not only do they download data completely independently, they also offer you the possibility of setting download intervals individually and thus adapting them optimally to the needs of your fleet.
- Whether a small or large fleet VDO download solutions offer solutions to fit all business requirements. VDO provide important additional data for fleet management with mass memory and driver card data. There are a wide range of evaluation options to permanently increase the efficiency of your fleet with remote or manual downloading of data on or off site.

# DLK Pro S – Product Family

Read and store mass memory data from the digital tachograph and driver card easily and conveniently. The DLK Pro Download Key S makes it simple. There is enough memory for approximately 6,000 quarterly downloads, making it ideal for small fleets and owner-operators.

With a new full color touch display, integrated card reader and 29 available languages, the device offers a large number of new or improved functions. For example, you can:

- download vehicle data from the front interface of the digital tachograph
- read driver cards directly using the integrated chip card reader
- archive driver and vehicle data in conformance with the law
- easily and quickly transmit data to a computer via the USB port
- See on the display last downloads, download status, battery charge status, available memory capacity and even a reminder function to safely meet legal download deadlines

## DLK Pro Download Key S

The DLK Pro Download Key S is the ideal storage medium for small fleets, workshops and agencies to read mass memory data from digital tachographs and driver card data. The DLK Pro Download Key S offers the normal functions, as well as:

- an integrated battery for downloading data from driver cards even without plugging in and for activating the integrated display. All other functions are available without a charged battery
- a reminder function for outstanding downloads to ensure compliance with legal regulations
- Full support of the smart tachograph generation e.g. DTCO® 4.0



DLKPro Download Key S

Order number	Description
2910002165200	DLKPro Download Key S
A2C5951525666*	DLK Pro license card for violation module
2910002128800**	DLKPro license card for DTCO® 4.0

\*With the optionally available license card, you can release the violation module for DLK Pro Download Key S and DLK Pro TIS Compact S to review vehicle and driver card data for violations.

\*\* With this DLK Pro Licence Card is the function of a DLK Pro S performed.  
Note: A current software update must be also installed on the key.

## DLKPro TIS-Compact S

DLKPro TIS Compact S is specifically suitable for self-driving entrepreneurs or smaller vehicle fleets with up to five vehicles and ten drivers. As a combined downloading, archiving and data management solution, TIS-Compact S can be used to quickly and securely read out data from digital tachographs and driver cards, transmit data to a PC and then visualize, archive and print out data with the help of the integrated PC application.

### With the DLK Pro TIS Compact, you can:

- read driver cards directly using the integrated chip card reader
- export data for other PC applications
- view the activity of individual drivers (work, driving and rest periods) and a speed profile for the last 24 hours of driving time
- Print out recorded vehicle and driver data

### The DLK Pro TIS Compact also offers:

- automatic signature review of downloaded files and notifications of defective files
- a reminder function for upcoming downloads to ensure compliance with legal regulations
- an integrated battery for downloading data from driver cards even without plugging in and for evaluating data using the integrated display. All other functions are also available without a charged battery

 <https://www.fleet.vdo.com/products/#Download+Tools>

For self-driving entrepreneurs or smaller fleets of up to five vehicles and ten drivers, the DLK Pro TIS Compact can also be used as a basic data management solution.

Order number	Description
2910002165300	DLKPro TIS-Compact S
A2C5951525666*	DLK Pro license card for violation module
2910002128800**	DLKPro license card for DTCO 4.0

\*With the optionally available license card, you can release the violation module for DLK Pro Download Key S and DLK Pro TIS Compact S to review vehicle and driver card data for violations.

\*\* With this DLK Pro Licence Card is the function of a DLK Pro S performed.

Note: A current software update must be also installed on the key.

## Accessories

Order number	Description
A2C5951467566	DLKPro Power Box (contents: Vehicle charging device, country-specific connections, USB extension)
2910000477700	Extension Cables 6 pin 0,5m
2910000477800	Extension Cables 6 pin 2m



DLKPro TIS-Compact S



DLK Pro license card for violation module



DLKPro Power Box

## TIS-Web® CardReader

The TIS Web® Card Reader connects to a computer via a USB cable. In combination with the TIS Web® VDO software, digital driver card data can be read out and saved for archiving and visualization.

Order number	Description
A2C5951675466	TIS-Web® CardReader
2910000260200	RFID Card Reader

 <https://www.fleet.vdo.com/products/vdo-card-reader/>



TIS-Web® CardReader

## VDO SmartTerminal

The VDO SmartTerminal is a stand-alone solution. This allows drivers to download their digital data from the mass memory (DTCO®) and driver card data day and night. A PC does not have to be ready for operation in the background.

- Easy Solution for downloading Driver Card data and Downloadkey (Vehicle Unit data) at any time
- Compatible with the Smart TCO (2nd Generation) Driver cards
- Connection via LAN, WLAN or USB to PC Stand-alone operation without a PC (data transferred via USB stick)
- Possible to import data easily into TIS-Web®
- Meets legal requirements for fleets (downloading, archiving and visualisation of mass memory and driver card data)
- Big TFT Touch screen display 7".
- Basic analysis of the data downloads (driver and vehicle information)
- Wall or table mounted
- Software Update local or via Internet
- 32 GB of internal memory
- New powerful platform to enhance functionality
- RFID Chip Reader out

Order number	Description
2910002168600	VDO SmartTerminal

 <https://www.fleet.vdo.com/vdosmartterminal>



VDO SmartTerminal  
(table mounted)



VDO SmartTerminal  
(Wall mounted)

## Diagram chart scanner

We offer a feed-in scanner with the right firmware to help you evaluate diagram charts. Please contact your dealer..



Diagram chart scanner





Compatible with digital tachographs above release 1.3a

## DLD® – Efficiency within Range.

The days of painstaking manual data read outs directly in the vehicle are a thing of the past. With innovative DLD® Wide Range and Short Range technology by VDO, digital tachographs can be read out fully automatically and without an inserted company card.

### DLD® Wide Range II

DLD® Wide Range II is the efficient solution for vehicles on tour. Legally required downloads of driver and mass memory data are completed automatically in GSM/GPRS over mobile networks. Data is transmitted to a VDO server which you can access via a secure internet connection. Mass memory and driver card data is read out and transmitted flexibly and automatically, anytime and anywhere, from any European country, without requiring any intervention by the driver. In conjunction with TIS-Web® Motion, the DLD® Wide Range II provides not only remote downloads, but also GPS data recording. A GPS antenna accessory is required.



DLD® Wide Range II

<https://www.fleet.vdo.com/products/dld-wide-range-ii/>



### An Overview of the Benefits

- You have more time thanks to automatic data transmission to your PC and from there to an archiving solution (such as TIS-Web® DMM)
- Less administrative work as downloads are handled automatically without intervention by personnel
- Higher security through automatic compliance with legally required downloads
- Simpler handling as downloads are completed without the company card being inserted in the vehicle – cards remain in the company

Order number	Description
A2C1036430001	DLD Wide Range II K-Line
A2C5951708166	Connection cable DLD® 6 pin 0,5m
2910000478000	Connection cable DLD® 6 pin 2m, fire protection





# TIS Web® – The Web-Based Software Solution.

If you value professional data assessment, but don't want to deal with IT infrastructure or data backups, TIS Web® is the right solution for you. All you need to archive, visualize, manage and complete comprehensive assessments of data archived with TIS Web® is a computer with internet access. You can use TIS Web® to generate high-level “report” style assessments. Prices for TIS Web® are based on your fleet size and required functions.

## An Overview of the Benefits

- Access data over the internet – no matter where you are
- Compliance with statutory regulations
- All you need is a computer with internet access
- Secure access for all users
- No memory capacity problems
- No need to create a backup copy of data
- Data is automatically deleted in accordance with legal guidelines

Free automatic updates that always conform to official specifications

 <https://www.fleet.vdo.com/tis-web-services/>

## Modular Design and Usage-Dependent Payment Model

TIS Web® is suitable for small, medium and large fleets and grows with your needs. The software consists of individual modules that you can select in accordance with your needs. You always have optimal cost transparency based on the number of users and vehicles and the functions you select.

## TIS Web® Fleet App

The TIS Web® Fleet app provides an interface between drivers and the office, making your everyday work much easier. Installed on drivers' smartphones, it receives tachograph data via DTCO® SmartLink and transmits it as well data manually entered by drivers to TIS Web®. This helps you optimize operating processes, facilitates communication and improves fleet utilization.

 <https://www.youtube.com/watch?v=KZMiyVU9EyM>

 <https://www.youtube.com/watch?v=oQmgt0PnQtY>

 <https://www.youtube.com/watch?v=BhRW8BYc4-E>

 <https://www.youtube.com/watch?v=0LB8csTpIII>



TIS-Web® Fleet App

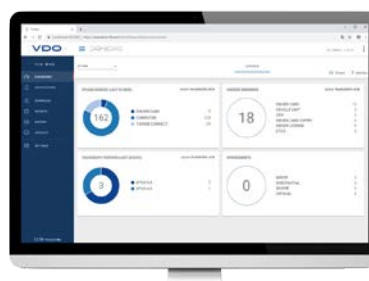
## TIS-Web® Daten Management 5.x (DMM)

With TIS Web® data management, you can archive legally required driver cards and vehicle data. It also provides driving times and service lives, violations, speed curves and speed profiles. You can obtain information on the degree of utilization of your vehicles at any time, and can make the right decisions on key questions related to vehicle dispatching.

TIS-Web® DMM 5.X has already been adapted to the new smart tachographs optimises, but processes all data even the older generation of tachographs.

### Overview of TIS Web® Data Management (DMM):

- Optimize vehicle use based on evaluated driving times and service life
- Import data to TIS Web® using any VDO download solution (DLK Pro or DLD)
- Check compliance with legal regulations and violations
- Review drivers' performance with speed curves and speed profiles
- Reward excellent driver performance for better driver efficiency



TIS-Web® Daten Management 5.x (DMM)

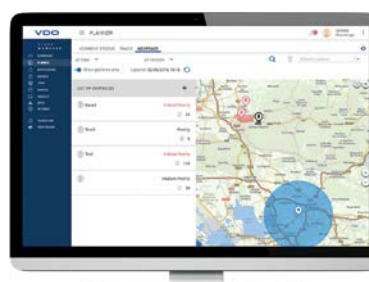
## TIS-Web® Motion

With TIS Web® Motion, you can view vehicle movements with an online overview map. It allows you to see where your vehicles are at a glance and which ones can pick up additional loads without major detours. All you need to use the solution is a DTCO® digital tachograph above release 1.3a, a SmartLink and the free TIS Web® Fleet App or DLD Wide Range. If a DTCO® 1381 digital tachograph above release 2.0a is installed in the vehicle, information from the VDO Counter can be displayed in addition to position data.

### Overview of TIS Web® Motion:

- Track vehicle movements on a map in real-time
- Transmit load conditions manually entered by drivers
- Quickly determine free capacities
- Overview of available driving time of your drivers
- Route driven marked on an interactive map
- Monitoring of tyre pressure and temperature (Conti CPC and TIS-Web Tyre-Kit required)

 <https://www.youtube.com/watch?v=2IACPqv0nFQ>



TIS-Web® Motion



## TIS Web® Communicator

You can use the TIS Web® Fleet to exchange messages with drivers and save on telephone costs. You can also send automated reminders, for instance of upcoming driver card downloads, using TIS Web® DMM. Before starting a trip, your drivers can record the results of their departure check using the TIS Web® Fleet app, add comments on defects and then transmit them to TIS Web® with up to two photos. This allows you to keep up to date immediately and work on repairing the defects quicker.



TIS-Web® Communicator

## TIS Web® Lite for Small Business Owners

Web-based archiving and data analysis for business owners with up to 5 vehicles, without extensive management or costly investment in hardware and software.

### Main Functions:

- Archive
- Visualize
- Analyze

For further information, please contact your dealer.

<http://www.vdo-partner.com/vdo/index/deu?country=83&category=3&search=true>

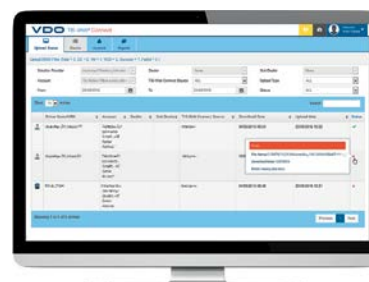
**For drivers and fleet managers**

If you use TIS Web®, your drivers can automatically receive messages and download reminders with this free TIS Web® Fleet app.

Android		<a href="https://play.google.com/store/apps/details?id=com.atos.main">https://play.google.com/store/apps/details?id=com.atos.main</a>
iOS		<a href="https://itunes.apple.com/de/app/tis-web-fleet/id910127393">https://itunes.apple.com/de/app/tis-web-fleet/id910127393</a>

## TIS-Web® Connect und Extract (Interface to 3rd party services / provider)

The TIS-Web® Connect interface enables you to transfer data, such as digital tachograph data, easily and securely from your server or cloud to TIS-Web®. There, your customers can use all the archiving and evaluation functions offered by TIS-Web®. With TIS-Web® Extract, we offer software companies the opportunity to integrate specific data sets from the TIS-Web® cloud into their own software solutions. Enrich your telematics offerings through additional tachograph-related reports or use data for payroll accounting, vehicle management and much more.



TIS-Web® Connect und Extract



# VDO Hosting Service

The VDO service for automated remote transmission of tachograph data and archiving of this data in compliance with legal requirements.

- We/our dealers take care of the complete remote transmission of your tachograph data for you, so you can rest assured that your data is being downloaded and archived in accordance with legal regulations.
- Your company card is kept secure by Continental or one of our dealers and used via the TIS-Web® RTM service for authentication, enabling the tachograph data to be downloaded and archived in full automatically. You can then simply view your data via TIS-Web® DMM. All you need is a standard PC with Internet access.  
Speak to your local dealer to find out more.

Link to VDO Partner

<http://www.vdo-partner.com/vdo/index/deu?country=83&category=3&search=true>



# Solutions for workshops

## DTCO® Testing Set

We have combined all the necessary items for one test for tasks related to periodical DTCO® inspections:

- 1x DTCO® backup battery plus label, for exchange in the DTCO® 1381
- 1x cleaning card for cleaning the chip card slots
- 1x cleaning cloth, to provide to drivers for cleaning driver cards
- 1x roll of printer paper, for insertion or providing to drivers
- 2x inspection certificate forms, for periodical inspections and installation plaque
- 1x sealing film for sealing the installation plaque
- 2x sealing caps

Order number	Description
2910002070900	DTCO® 4.0 Testing set (see image)
A2C5951432666	DTCO® 3.0 Testing set





## Everything You Need for a DTCO® Test:

### Cleaning Card Set for DTCO®

Specially developed for DTCO® user cards and DTCO® card slots. For cleaning during regular calibration to avoid disruptions and ensure passes do not become stuck.

Order number	Description
A2C5951183866	Cleaning cards set for DTCOr (6 cards + 6 cloths)



Cleaning card set for DTCO®

### Cleaning Cloths for Driver Cards

Specially developed for DTCO® user passes. For regularly cleaning driver cards to avoid disruptions and ensure passes do not become stuck.

Order number	Description
A2C5951184966	Cleaning cloth set (12 cloths)



Cleaning cloth set

### Back-up Battery

Order number	Description
A2C5951195466	DTCO® Battery LI-3.6V 1.1AH (six pack)



DTCO® Battery

### Repair

Bestellnummer	Beschreibung
2910000246400	Flap interface for DTCO® 2.2
2910000955100	Flap interface for DTCO® 3.0-4.0
A2C5951205566	Cover for front panel DTCO® front interface, rubber (2 units) up to DTCO® 2.1
A2C5951185866	DTCO® printer drawer (part set) up to DTCO® 2.1
2910000955300	DTCO® printer drawer (DTCO® 3.0 - 4.0)
2910000955100	Card slot flap (DTCO® 3.0 - 4.0)



Flap interface for DTCO® 2..2



DTCO® Front interface cover for front panel up to DTCO® 2.1



DTCO® printer drawer (part set) up to DTCO® 2.1



# Sealing



Installation tool



Panel TCO 1310/1314



Plug cover 1318/19



Sealing cover 1318/19 for reinforced encoder cable



Cover 1318



Small sealing panel diagnostic connection 1319



Sealing cover MTCO 1324



Small sealing panel diagnostic connection MTCO 1324



Hood DTCO® 1381



Screw MTCO 1324



Oval-head screw DTCO® 1381

## Sealing Tool

Order number	Description
1999-1013-011-000	Installation tool

## Sealing Caps

Order number	Description
1309-90110701	Panel TCO 1310/1314
1318-90025200	Plug cover 1318/19
1318-90025300	Sealing cover 1318/19 for reinforced encoder cable
1318-90021301	Cover 1318
1319-84-510-02	Small sealing panel diagnostic connection 1319
1324-90020200	Sealing cover MTCO 1324
1322-84-602-03	Small sealing panel diagnostic connection MTCO 1324
KN07-0139-047	Screw for small sealing panel for diagnostic connection MTCO 1324
1381-90020100	Hood DTCO® 1381
HS07-0100-116	Oval-head screw DTCO® 1381

## Sealing Material

Order number	Description
2910002614300	Seal wire 1 coil (100 m)
2910002544300	Seal KITAS 4.0
1999-92000015	Aluminum seal two-hole (each 100 units)
1311-0111-132-010	Cap, neutral, red
1318-0101-020-001	Seal 18 x 2 mm 1318
1324-90100101	Sealing set MTCO 1324
1310-0111-039-000	Adhesive plaque (imp/km) red
1310-0111-037-001	Sealing plaque (transparent foil for K-value sticker)
1999-9999-002-000	Sealing foil (transparent foil for installation sticker)
A2C5951465966	KIPAS test certificate
A2C5951706666	Sealing film for KIPAS test certificate
KITAS 4.0 Testing device UV-Set	
2910002146700	Testing device UV-Set <b>Contains:</b> 1 × VDO carrying case 1 × USB charger 1 × Battery pack (accumulator) 1 × KITAS plastic test sample 1 × Test card with UV seal



1 coil seal wire



Aluminum seal (two hole)



Sealing foil



Testing device UV-Set



Cap, neutral, red



Seal 18 x 2 mm 1318



Sealing set MTCO 1324



Adhesive plaque



Sealing plaque



Inspection certificate

# The WorkshopTab



WorkshopTab

The Workshop Tab is the first device to combine all functions for tachograph inspection in a single device.

From mid-2019, new heavy goods vehicles registered in accordance with EU Regulation 165/2014 must be equipped with a new generation of tachographs.

## The Key Benefits

### Faster

- Everything at your fingertips – no separate process steps, less walking around and required for workshop employees
- Integrated GNSS and DSRC testing as well as KITAS documentation specifically for the new DTCO® 4.0
- Up-to-date technical service information, installation instructions and other relevant data can be retrieved immediately from the Cloud
- Documentation and print commands

### Easier

- Modular design and a customizable range of functions
- Maximum freedom of movement thanks to the wireless connection peripheral devices
- Additional tachograph test equipment can easily be added

### Safer

- Test procedure carried out digitally (calibration wizard)
- Plausibility check via a clear comparison of new and old measurement values immediately after a measurement has been taken

# Even Safer – KITAS 4.0 Documentation

Furthermore, the KITAS 4.0 defined for the respective DTCO® must be inspected as well as registered together with the respective lead seal if it is the first time that they are installed, thereby ensuring the traceability of the lead seal. The WorkshopTab 4.0 also simplifies this process considerably. The integrated WorkshopTab camera allows you to register the KITAS and new lead seal easily by means of scanning the 2D codes. VDO also offers a practical Cloud solution for the respective documentation of the KITAS 4.0 and the new lead seal.

## GNSS Testing on DTCO® 4.0

The new smart tachograph DTCO® 4.0 will use global satellite structure GNSS. To ensure that the vehicle position can always be specified exactly, a corresponding GNSS test is mandatory. This test can easily be carried out via the WorkshopTab with no additional device is required. If you cannot receive a sufficiently strong signal in the workshop, we can provide you with the GNSS Repeater Kit – technology that boosts the satellite signal, enabling you to also achieve optimal test results in

## DSRC Testing

With the practical DSRC Meter from VDO testing the DSRC interface integrated into the DTCO® 4.0 becomes incredibly easy.

The DSRC Meter simulates a test conducted by inspection officers and sends the result to your WorkshopTab. The DSRC Meter can then be permanently mounted in your workshop or mounted on a stand.







# Prepare your Workshop for the Smart Tachograph DTCO<sup>®</sup> 4.0

## Your advantages at a glance

Mit dem Paket DTCO<sup>®</sup> 4.0 ready erfüllen Sie die Anforderungen an die Tachographenprüfungen ab Juni 2019. Betriebe, die sich heute bereits für ein neues WorkshopTab oder das DTCO<sup>®</sup> 4.0 ready Paket entscheiden, führen zusätzlich das Logo DTCO<sup>®</sup> 4.0 ready. So werden sie schnell als Experte für das neue Prüfverfahren gefunden. Außerdem erhalten sie zur Erkennung ein neues VDO Werkstattschild, das sie zusätzlich hervorhebt.

## Our services for authorised workshops - the „VDO Workshop Services“ comprehensive package

- Technical and service support
- Software updates, software upgrades (for the DTCO<sup>®</sup> 4.0 test) and maintenance offers
- Access to the online documentation and knowledge database on the VDO Extranet
- Data service during the registration of new seals and KITAS serial numbers

## Your advantages at a glance

- Shorter inspection times
- Robust touch screen display for fast and easy data input
- Reduced cables making it safer in the workshop environment
- Self-explanatory test sequences

 <https://www.youtube.com/watch?v=FdM5Mp4IXS8>

 <https://www.fleet.vdo.com/products/vdo-workshop-tablet-40/>

## Devices for the WorkshopTab

Order number	Description	Contents
A2C5950785266	WorkshopTab Basic	Tablet PC, power supply, battery, WorkshopLink, MTCO adapter in case
A2C5950785766	WorkshopTab Basic GSM	Tablet PC for GSM, power supply, battery, WorkshopLink, MTCO adapter in case
2910002530700	WorkshopTab lite Kit	Tablet PC, power supply, battery, WorkshopLink

## Spare Parts for the WorkshopTab

Order number	Description	Contents
A2C5950633566	Power supply for tablet PC	90–230 VAC
A2C5950633666	Charging cable for vehicle voltage	10–30VDC
2910000859600	WorkshopTablet Docking Station	
A2C5950633866	WorkshopLink DTCO®	
A2C5950633966	WorkshopLink Adapter MTCO	
A2C5950634066	WorkshopLink Adapter SE2400	
A2C5950749766	WorkshopLinkAdapter SE5000	
A2C5950634366	WorkshopTab equipment case	with hinges and device mount
A2C5950749566	WorkshopTab Tablet replacement battery	
A2C5950749666	WorkshopTab battery charger	230 VAC, for 2 WorkshopTab batteries
2910000485400	WorkshopTab BlueMeter suction cup	
2910002150400	WorkshopTab BlueMeter crash protection	
2910002110700	WorkshopTab TyreMeterPro Magnet-halter	
2910002253600	BlueMeter/TyreMeterPro Netzteil	
2910002253700	DSRC Meter Netzteil	
2910000264800	WorkshopTab Stylus (Soft Cap)	For tablet PCs up to serial number ZW15xxxxxxx
2910000817300	WorkshopTab Stylus (Hard Cap)	For tablet PCs above serial number ZW16xxxxxxx
A2C5950634166	WorkshopTab Power Cord UK	
A2C5950634466	WorkshopTab Adapter Box 1318/1314	With connection for KTCO and clock test lead
A2C5951217566	CTC II test lead KTCO	Compatible with adapter box 1318/1314
A2C5951217666	CTC II test lead clock test	Compatible with adapter box 1318/1314
2910000849500	DTCO Update Kabel	
2910002278300	TyreMeterPro Calibration kit	



WorkshopLink



TyreMeterPro

## Accessories for the WorkshopTab

Order number	Description	Contents
A2C5950804666	WorkshopTab extended guarantee	Warranty extension to 36 months (order within the first 12 months)
A2C5951351466	WorkshopTab BlueMeter	Wireless light barrier
A2C5950783766	WorkshopTab Adapter Stoneridge	Adapter Set WorkshopLink Adapter SE2400, WorkshopLink Adapter SE5000
A2C5950786066	WorkshopTab Accessories Package	Docking Station, BlueMeter, Adapter Set WorkshopLink Adapter SE2400, WorkshopLink Adapter SE5000
A2C5950785866	WorkshopTab Set KTCO	KTCO adapter, test cable KTCO, test cable watch testing, flat ribbon cable
2910000441100	WorkshopLink Adapter	Adapter for activating rolling braking brakes without tachograph (KTCO license required)
A2C5950785466	WorkshopTab License Manipulation Check	
A2C5950785566	WorkshopTab License Reporting	
2910000849600	WorkshopTab License Universal DTCO	
2910000849700	WorkshopTab License DTCO 4.0	
2910002038400	License TPH	License Technical Product Manual
A2C5950785966	WorkshopTab Voucher Package	License package Manipulation Check, Reporting, Universal DTCO
2910000284800	WorkshopTab License KTCO	
2910000467400	WorkshopTab License Wabco-Würth Diagnostics	
2910000531000	WorkshopTab License Extended Universal Programming	Extended Universal Programming SE5000
A2C5950749466	WorkshopTab KITAS direct	Adapter for the KITAS test
2910000985700	TyreMeter Pro	Module for automatic wheel circumference measurement
2910000985800	DSRC Meter	Module for the DSRC check
2910002253700	DSRC Meter power supply	
2910002034200	DSRC Meter Tripod	
2910002139300	1x SealBase License	
2910002304900	Smart Extended License	
2910002349400	Feature package 4.3 License	
2910002364000	BlueCAN kit	
2910002472600	Feature package 4.4 License	
2910002530800	WST light unlock license	
2910002538600	10er calibration coupons	
2910002531000	DSRC Meter Replacement battery	
2910002564100	Feature package 4.5 License	



BlueMeter



DSRC Meter

## Accessories for the WorkshopTab with DTCO® 4.0

Order number	Description	Contents
2910002038400	WorkshopTab Lizenz DTCO® 4.0	
2910000985800	DSRC Meter	
2910002253700	DSRC Meter power supply	
2910002034200	DSRC Meter tripod	2,6m extension
2910000985900	GNSS Repeater	
A2C5951707566	GNSS Antenna (optional)	
2910002148000	GNSS Repeater Coaxial cable	60m
2910002139300	PIN seal base 4.0	
2910002066500	VDO Clamping aid for lead seal 4.0	
2910002070900	Calibration Kit DTCO® 4.0 + seal 4.0	
2910002063100	Demo case DTCO® 4.0 mobil	
2910002304900	Smart Extended License (For competitors Smart Tachographs)	





# SDS – The Service Diagnostic Systems.



Workshop Key



Set CTC II



Automatic measurement section set for CTC II



Set CTC II stationary

## Workshop Key

The Workshop Key Manipulation Tester is the practical, secure and simple solution to check digital tachograph systems for potential threats (manipulations). It allows workshop employees to quickly and reliably review tachograph mass memory data and easily display any suspected manipulation using red LEDs. If there are no suspected manipulations, the normal periodical test for the tachograph system can be completed after just a few minutes.



CTC II Tester

Order number	Description
A2C5951427366	Workshop Key

## Set CTC II

With the Compact Test Computer CTC II, both analog and digital tachographs can be tested on a measurement section, a rolling road tester or a test stand for brakes. Communication between the CTC II and the Set CTC II stationary is wireless (via Bluetooth®). This eliminates the danger of cables on the ground and broken cables are a thing of the past.

Order number	Description
2910002415600	CTC II (fully licensed)

## Automatic Measurement Section Set for CTC II

It can be used to automatically determine the impulse count when the vehicle drives by two reflector stands. These reflector stands serve as a start and stop signal for the light barriers attached to the vehicle.

Order number	Description
A2C5951499066	Automatic measurement section set with light barrier

## Accessories, Additional and Spare Parts

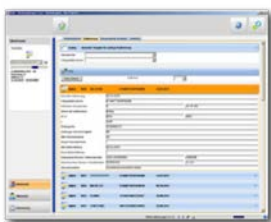
Order number	Description
<b>CTCII Accessories</b>	
A2C5951271466	CTCII Set Stationary (ATC)
A2C5951402866	CTCII Set Encoder test
A2C5951301466	CTCII Set 1318/1314, 1319 Test
A2C5951307166	CTCII Set Test stand for brakes
<b>CTC II Spare parts</b>	
A2C5951217266	CTCII Test lead DTCO®
A2C5951217366	CTCII Test lead MTCO
A2C5951217466	CTCII Test lead TVI2400
A2C5951217566	CTCII Test lead KTCO
A2C5951491466	CTC II Test lead FTCO
A2C5951217666	CTCII Lead for clock testing
A2C5951217766	CTCII Vehicle power supply cable
A2C5951217866	CTCII Power supply
A2C5951218166	CTCII Serial connection cable
A2C5951218566	CTC II Manual tester
A2C5951291566	CTCII Bluetooth Replacement
A2C5951315966	CTCII Service Kit Roller Interface Module
1601-78-162-00	Ribbon cable 1318 (also MTC/ATC)
1601-78-163-00	Ribbon cable 1314 (also MTC/ATC)
<b>MTC accessories</b>	
1602-16-000-03	Complete light barrier for MTC
1602-51-027-02	Light barrier for MTC (spare part)
<b>Accessories ATC/CTCII Stationary</b>	
A2C5951338766	Light barrier for ATC/CTCII Stationary complete
X79-160-116-027	Universal pulse generator (BPS sprocket "2 units")
1601-30-015-00	Encoder adapter for test stand for brakes
1601-22-000-01	Dual roller set
<b>STC accessories</b>	
1601-1606-001-000	IS device holder
1601-1606-000-001	RS device holder
<b>General retrofit sets/accessories</b>	
1602-78-171-00	MTCO diagnostic lead
1602-78-006-03	FTCO diagnostic lead
1602-78-175-01	TVI 2400 diagnostic lead
1602-78-172-00	DTCO® diagnostic lead
1602-78-170-00	Interface adapter
1602-89-902-01	MTCO retrofit set
1602-89-910-00	DTCO® retrofit set
1602-89-905-00	KITAS retrofit set
A2C5951511366	VDO Tire Meter (Set)
A2C5951510966	Tire Pad (1 bag = 135 units)
A2C5951511066	Tire Marker white 100 ml
A2C5951511166	VDO Tire Meter folding ruler printed

## Accessories, Additional and Spare Parts (Continued)

Order number	Description
<b>Additional and spare parts for MTC and ATC</b>	
1601-78-030-00	Inductive sensor (clock test cable)
1601-78-002-00	Lead for 1602
1601-78-003-00	Lead for 2151
1601-78-004-00	Lead for 2155
A2C5332096666	Test encoder
1040-1300-009-001	Shaft connection
2155-50011000	Connection line (v) 10 m
2159-80010500	Complete lead 5 m
1601-26-001-01	Interface/power supply
1601-78-031-00	Earth cable for ATC
A2C3110250066	Reflection stand with level
1601-2100-050-001	Reflective foil for wheel circumference measurement stationary

# Workshop Report.

Take advantage of comfort, speed and flexibility and switch from KIPAS to Workshop Report now!



Workshop Report Software



Set-up license



Workshop Key



Dell laptop

# Training Accessories.

## Training Sessions

VDO has developed a variety of training software to support efficient preparations for working with digital tachographs. These are adapted to the specific needs of various target audiences (workshops, drivers, vehicle fleet management). In addition, VDO has also developed training sessions that can be held on site with individual partners. These training sessions give you the support you need to work with digital tachographs, individual additional products and data processing software. Training sessions also offer answers to all questions on relevant EU regulations and their importance for individual parties involved. Contact us directly about our training services.

Here you can book trainings:

[https://www.vdo-academy.de/vdo\\_academy/frontend/web/](https://www.vdo-academy.de/vdo_academy/frontend/web/)



## Demo Cases and Cards

Order number	Description
2910002063100	DTCO® 4.0 Demo case for trainings
X10-140-004-010	Demo case for digital tachographs
A2C5951126866	Driver Card GEN2
A2C5951126666	Company Card GEN2
A2C5951126766	Control Card GEN2
A2C5951126966	Workshop Card GEN2



DTDO® 4.0 Demo case for trainings

## Operating Manual

Order number	Description
A3C0801760029	DTDO® Betriebsanleitung Rel. 4.0e English
A2C1991680029	DTDO® Betriebsanleitung Rel. 4.0 English
A2C1387320029	DTDO® Operating manual Rel. 3.0 English
BA00-1381-22100101	DTDO® Operating manual Rel. 2.2 English



DTDO® Operating manual



## Technical Product Handbook/Documentation

Bestellnummer	Beschreibung
2910002094900	DTCO® 4.0 Technische Beschreibung mit Überblick DTCO 4.0 und USB-Stick
2910000916600	DTCO® 3.0 Technical description with USB stick (from December 2017)
A2C5951492066	DTCO® Technical product handbook Rel. 2.0 English
TU00-1602-1113030	Conversion table wheel circumference gauge



DTCO® Technical product handbook

## Training Software

Order number	Description
2910002305700	DTCO®-Simulator Rel. 1.4 – 4.0 USB
<b>Online Version</b>	
29100007967300	1x License PIN DTCO® Simulator Rel. 1.4 – 4.0
29100007967400	5x License PIN DTCO® Simulator Rel. 1.4 – 4.0
29100007967500	10x License PIN DTCO® Simulator Rel. 1.4 – 4.0



DTCO® Simulator

**Continental Automotive GmbH**

Heinrich-Hertz-Strasse 45  
78052 Villingen-Schwenningen  
Germany

Fax: +49 7721 6779-2438

[tachograph@vdo.de](mailto:tachograph@vdo.de)

[www.fleet.vdo.com](http://www.fleet.vdo.com)

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