

CTC – Compact Test Computer.



Compact Test Computer CTC

The compact test computer (CTC) is a handheld device for calibrating and programming radio slot-sized tachographs. In accordance with legal requirements, the device can be used to test both analogue and digital tachographs. With its proven menu interface, this intuitive system is particularly easy to operate. With the CTC, the distance pulse rate can be ascertained by starting and stopping measurement manually. Alternatively, measurement can be performed quickly and easily using the automatic measuring track – which does not require manual input.

The CTC is able to communicate. It may transfer test results via the serial interface e.g. to KIPAS, the software for managing data on customers and vehicles for which tachographs are mandatory.

Functionality

- Determine distance pulse rates ('W' figures) for digital and analogue electronic tachographs in radio-slot format (manual or automatic)
- Read tachograph constant 'K'
- DTCO 1381 programming
- MTCO programming, programming of competitors' tachographs and automatic in-vehicle test diagram

- Transfer data on pulse rates ('W' figures) for programming system constants on the DTCO 1381, MTCO 1324 and MTCO 1390
- Download of digital tachograph's mass memory
- Clock test for tachograph types MTCO 1324, MTCO 1390, TSU 1391, competitors' devices and DTCO 1381
- Testing competitors' tachographs
- Transfer test results to KIPAS via RS 232 serial interface

CTC – Compact Test Computer



Technical specifications

Display:	LCD display, backlit, 4 lines x 20 characters, 5 mm character height
Keyboard:	32 keys, dual function, special characters
Interfaces:	RS 232 K-Line, KWP 2000 protocol
Power supply:	10 – 30 VDC, internal accumulator battery for transferring measured values, DTCO download, reading or programming tachograph parameters
Current consumption:	350 mA
Dimensions:	110 x 200 x 70 mm
Weight:	500 g
Operating temperature:	5 ... + 40°C
Measuring range distance pulse rate 'w' and setting range tachograph constant:	2000 ... 50000 pulses per km The range depends on the tachograph being used
Measuring track:	10.00 ... 99.99 m, standard 20.00 m
Test speed for 'w' measurement:	manual 0 ... 15 km/h automatic 3 ... 25 km/h
Driving speed for speed check:	20 ... 200 km/h
Clock test:	+/- 120 s / 24 hr

Included in Delivery

The following components are supplied with the 1602-21000000 system as standard:

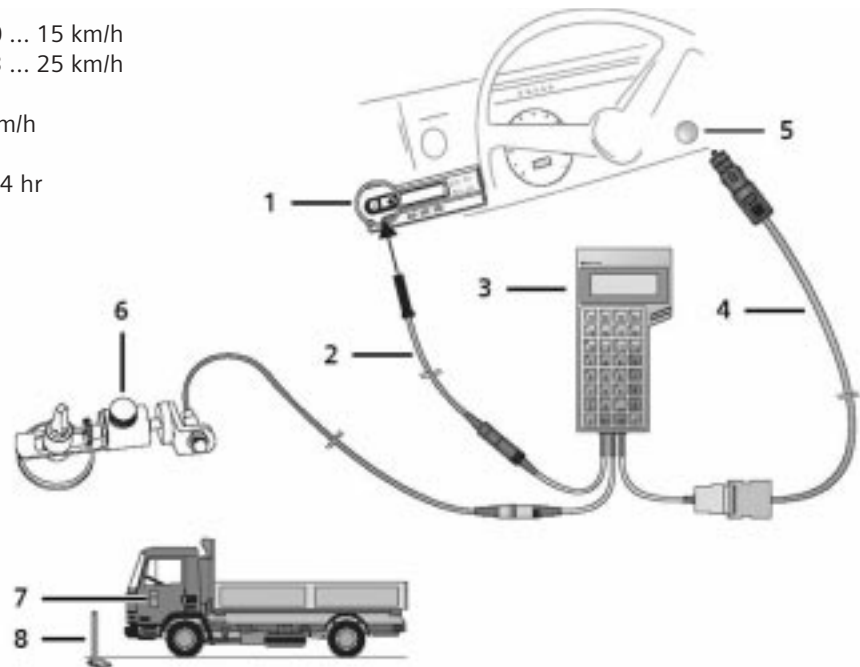
- CTC test device
- On-board power leads
- Diagnostic cable for MTCO 1324, 1390 and TSU 1391
- Diagnostic cable for DTCO 1381 and competitors' digital tachographs
- Diagnostic cable for TVI 2400
- CD with operating instructions in D, GB, F, E, I, NL, P, S, FIN and possibly more
- Short manual in the languages listed above
- Service case

Optional add-ons:

- Automatic measuring track (reflex posts and light barrier) 1602-04020000
- Power supply (230 VAC/12 VDC 1.5 A) 1602-78-185-00
- CTC-PC data cable for transferring measurement values and downloading data to KIPAS X12-160-278-001

Application

- (1) Tachograph (MTCO 1324 model shown)
- (2) Diagnostic cable
- (3) CTC 1602-21000000
- (4) Vehicle power supply
- (5) Cigarette lighter or on-board socket
- (6) Light barrier*
- (7) Light barrier on vehicle*
- (8) Reflex post*



*Optional "Automatic measuring track" not included.