CTCII

Using the Compact Test Computer CTCII, both analog and digital tachographs can be calibrated on a roller set or measuring track. Communication between CTCII and roller set is wireless based. There are no accident-prone and loose wire connections requiring repairs between roller set and driver's cabin.

The CTCII can be adapted to double roller assemblies, performance and brake test stands of leading manufacturers. As a result, tachographs can be calibrated by one person, regardless of weather conditions.

The determination of the distance pulse constant on the measuring track (e.g., 20 metres on the road) can be done with manual start and stop or quickly and easily using the automatic measuring track (with light barriers and marker rods).

The CTCII has a suitable equipment package for calibrating tachographs on the roller sets and measuring track.

The easy-to-handle device, which is fitted with a modern and shop-appropriate housing, has an internal battery. The CTCII only requires a connection to the tachograph to calibrate the tachograph on the roll.

Operating the CTCII is easy with a combination of function keys and proven menu technology supported by a four-row display that is both manageable and intuitive.

Functions

- Distance pulse constant (W-figures) determination for digital and analog tachographs in radio compartment format on roll or measuring track (e. g., 20 m measuring track)
- Reliable connection of mobile part to roller test stand using wireless technology
- Measurement of effective wheel circumference on roller test stand
- Distance counter test on roller test bench
- Calibration and programming for DTCO, MTCO and competitors
- Automatic test diagram for MTCO and analog competitor's tachographs
- Mass storage download for digital tachographs
- Determination of clock variances for MTCO 1324, MTCO 1390, TSU 1391, analogue competitor devices and with extension kit FTCO 1319, KTCO 1318 and 1314
- Functional test for tachograph sensors 2170 and 2171 (optional)
- Robust, repair shop suitable housing with attractive design
- Workshop card's PIN input via CTCII keyboard
- Expandable with expansion set to FTCO 1319, KTCO 1318 and 1314

Technical data:

CTCII

- Display: illuminated LC-display, 4 rows at 20 characters each, 5 mm character height
- Keyboard: 32 keys, alphanumeric and function keys
- Interface:
  - Bluetooth
  - RS232
  - K-Line, KWP 2000 Protocol
- Power supply: 10.5 ... 30 VDC, internal battery
- Power consumption: typically 4 W, max. 12 W (with uncharged battery)
- Dimensions: 120 x 230 x 40 mm
- Weight: 650 g
- Operating temperature: 5 ... +40 °C
- Storage temperature: –20 ... +70°C
- Drive speed for speed testing: 20 ... 200 km/h
- Measurement of deviation for analog tachographs: ±120 s/24 h variance

Stationary measurement roller-interface module

- Power supply: 90 ... 250 VAC
- Switching output for lever/brake: supply voltage max. 0.6 A
- Connections: voltage output for sensor supply (24 VDC ± 15 %, 1 A short-circuit-proof)
  roller impulse sensor (0.2 ... 5 cm/Imp, U_L = 0 ... 0,8 VDC, U_H = 8 ... 30 VDC)
  light barrier for wheel circumference measurement (U_L = 0 ... 0,8 VDC, U_H = 8 ... 30 VDC)
- Dimensions: approx. 200 x 180 x 95 mm (without bolted connections)
- Weight: approx. 1.5 kg
- Measurement range distance pulse figures „w“ and adjustment range tachograph constant: 2,000 ... 50,000 l/km range depends on tachograph used
- Measurement range wheel circumference “l”: 300 … 10,000 mm
- Correction value adjustment: ±9.9 % in increments of 0.1%
- Test speed for “w” and “l” measurements: 1... 60 km/h
- Distance countertest: 100 ... 10,000 m

Mobile measurement (measuring track)

- Measurement range distance pulse figures „w“ and adjustment range tachograph constant: 2,000...50,000 l/km range depends on tachograph used
- Measuring track: 10 ... 1,000 m, standard 20 m
- Test speed for „w“ measurements: manual 0 ... 15 km/h, automatic 3 ... 25 km/h

Delivery content:

CTCII (A2C59512169)

- CTCII testing device
- Equipment case
- Connecting cable for power supply 10 ... 30 VDC (cigarette lighter)
- Testing cable DTCO VDO/Stoneridge/ACTIA
- Testing cable MTCO 1324, 1390 and 1391
- Testing cable Stoneridge 2400
- Power supply unit input 90 .. 250 VAC, output 24 VDC, 0.6 A
- Operating instructions

CTCII stationary set (A2C59512714)
(required for roller test stand)

- Roller interface module
- Cable for wheel circumference sensor to interface module
- Cable for roll sensor to interface module
- 10 x reflex strips

Set “Automatic Measuring track” (1602-04020000)
(required for measurements on measuring track)

- Reflex stand
- Light barrier

CTCII Set 1318/1314, 1319 testing (A2C59513014)

- Testing cable for KTCO 1318, 1314
- Testing cable for FTCO 1319
- Cable for Clock testing
- Ribbon cable for 1318

Optional items for CTCII

- CTCII connection cable serial (A2C59512181)
- Set “Sensor Test” (A2C59512170)
  - Testing cable for sensor test
  - Operating instructions for sensor test
- Ribbon cable for 1314 (1601-78-163-00)

Optional items for stationary testing (rollers)

- CTCII Roller Set Compact (A2C59513545 or A2C59513546; see separate data sheet)
- Double roller set
- Sensor adaptor for brake test stand
- Light barrier
- Universal impulse sensor

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