



x-tronic balancer

The mobile measuring device

The x-tronic balancer is a mobile measuring device which is available in 2 standard versions:

- x-tronic balancer AT - without ECU communication for cars
- x-tronic balancer TC - with ECU communication for cars and trucks

The current turning angle is constantly shown on the LC display. In addition, the device carries out an evaluation of the measuring result and indicates this via LEDs and an acoustic signaller.

The measurement results are transmitted wirelessly or via cable to the test system PC.

Parallel to the chassis adjustment tasks, the test system PC can parameterize ECUs and perform diagnostic tasks via the integrated diagnostic interface of the balancer (option).

FEATURES



Measuring the steering wheel angle of cars

Fixing the steering wheel at the steering lock angle 0°

Communication between test system PC and vehicle electronics (optional)

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APPLICATION

- Measuring and auxiliary device for adjusting the toe position of vehicles in the wheel alignment stand
- Measuring and auxiliary device for the toe angle adjustment under consideration of the steering angle hysteresis
- Measuring device and diagnostic interface for calibration of ESP steering angle sensors, level control, headlamp adjustment
- Diagnostic interface for general electronics tests parallel to chassis adjustment

BENEFIT

- Display and evaluation of the steering wheel inclination to control the adjustment process



x-tronic balancer TC3

TECHNICAL DATA

Steering angle measurement

Measuring range	$\pm 30^\circ$
Display resolution	0,1°
Accuracy	0,2° from -10° to +10°, lateral inclination error <1% to 45° Querneigung
Time constant	Averaging parameterizable
Transfer area of the wind screen support	100 mm continuously variable, Distance to the screen can be adjusted via adapter pieces
Option: steering wheel clamping	60 mm continuously variable (hooks at the back side of the device)

Host interfaces

Cabled: RS232	2 (thereof 1 channel for flashing the device firmware)
Radio:	FHSS

Vehicle interfaces

CAN - Bus	4 parallel physical CAN channels according to specification 2.0B
K-/L-Line (option) max. 3 modules	2x2 channels per module, multiplexed, according to ISO 9141-2
Further vehicle interfaces	possible via universal expansion slots: on request