

Laser-Speed Trap for Velocity Measurement Code 5CB-B



- Highly accurate velocity measurement
- Calibration certificate acc. to ISO 9001
- PC-/Laptop controlled analysis
- Fully automatic data transfer into CrashSoft®3
- Can be used for triggering
- Adjustable working height
- Easy alignment with included adjusting aids

Description

The 5CB-B system is used for non-contact measurements of the velocity of objects moving perpendicular to two laser light beams. Its main application is measuring the mean velocity of a vehicle or sled in a crash test or crash simulation (see Fig. 1). It comprises two pulsed laser light barriers. Emitter and receiver are installed in two cases that can be separated by up to 20 m (65 ft).

The laser speed trap is operated by a provided laptop, which is connected to the receiver with a docking station. The system can also be controlled from the facility control PC via network. The advantages are:

- Automatic data transfer into CrashSoft®3
- Status monitoring and communication with the facility control PC
- Synchronization to other measurement data possible

Specifications and Features

- Data exchange with PC via network; multi-system control, using single control unit
- This device is working in two-channel mode:
The Measurement is done with two light barriers. The first light barrier serves to start the measurement, the second to stop it.
- The velocity can be displayed in m/s, km/h, or mph
- Unlimited number of measurement values can be stored for evaluation or sampling either by the facility control PC or the Laptop delivered with the 5CB-B System
- Operation via laptop touch-screen
- Easy alignment using the included adjusting aids

Velocity measurement range	1km/h up to 200km/h
Accuracy	0.1km/h at 50km/h 0.15km/h at 80km/h
Working height	adjustable between 250mm and 950mm
Distance emitter - receiver	Up to 20m
Separation of laser beams	250mm
Operating voltage	12...24VDC
Dimensions (WxHxD) incl. handle at the top and wheels	470x1,265x370mm

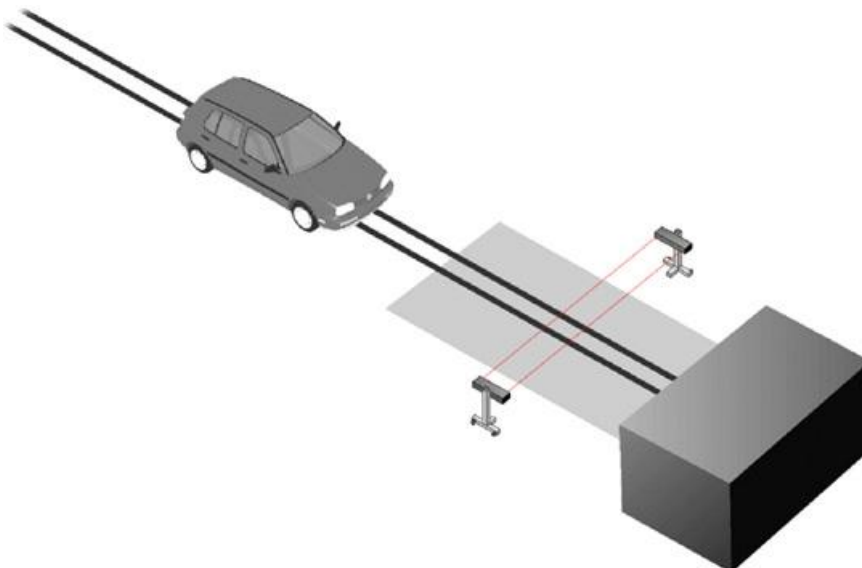


Fig. 1: Application example