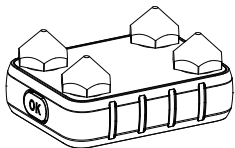

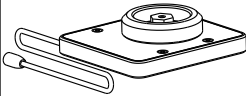
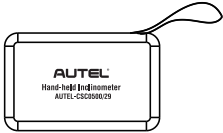


*Thank you for purchasing this Autel Hand-held Inclinometer. This Quick Reference Guide instructs you on how to use the inclinometer to measure the ride heights of Mercedes-Benz vehicles for precise wheel alignment. Please read this guide carefully before use.*

## Product Description

Our inclinometer comes with an adapter and a USB cable. All are stored in the storage case. Connect the inclinometer to a MaxiSys tablet (sold separately) and measure the ride heights (indicated by tilt angles) of Mercedes-Benz vehicles using the position of the transverse link on the front axle and the drive shaft on the rear axle as reference points. The results will be automatically uploaded to the tablet after measurement. These results are then used to determine the adjustment values for the wheel camber, caster, and toe.

<b>Hand-held Inclinometer</b>		<b>USB Cable</b>	
<b>Adapter</b>		<b>Storage Case</b>	

## Status Indicator

The inclinometer has an indicator light, which will display different colors in different working states. The meanings of each indicator color is as follows:

Color	Description
<b>Solid Green</b>	Lights briefly red upon powering on, then transitions to a solid green when the system operates normally in idle mode.
<b>Flashing Green</b>	Flashes green when data is being transferred.
<b>Flashing Red</b>	Flashes red during a firmware upgrade.
<b>Solid Yellow</b>	Lights solid yellow when communication is abnormal.
<b>Solid Red</b>	Lights solid red when a hardware failure occurs.

# Getting Started



## NOTE:

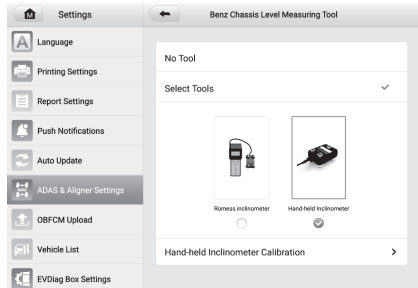
1. This inclinometer needs to be used with an Autel MaxiSys tablet on which the latest software is installed.
2. The inclinometer can be used with an Autel aligner or with other aligners for wheel alignment purpose. For these two usage scenarios, different access options are available on the Autel MaxiSys tablet.

## Preparation

### Access Option 1: For Use with an Autel Aligner

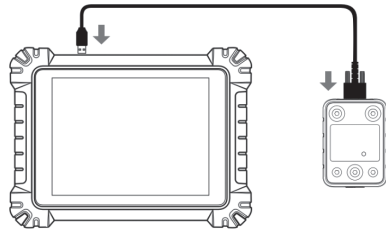
1

Power up your Autel MaxiSys tablet. Tap **Settings>ADAS & Aligner Settings>Common Settings>Benz Chassis Level Measuring Tool>Select Tools**, then select **Hand-held Inclinometer** for measuring ride heights.



2

When measuring the ride height of your Mercedes-Benz vehicle during a wheel alignment procedure, connect the inclinometer to the USB port on the MaxiSys tablet using the supplied USB cable.



3

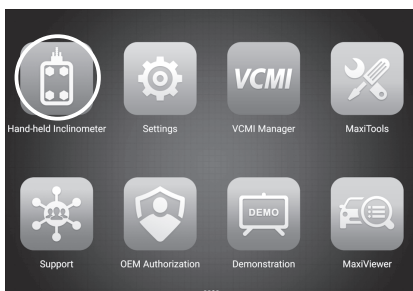
Once a successful connection is established between the inclinometer and the tablet, a green check mark will appear on the inclinometer icon on the tablet, indicating the inclinometer is ready for use.



## Access Option 2: For Use with Third-party Aligners

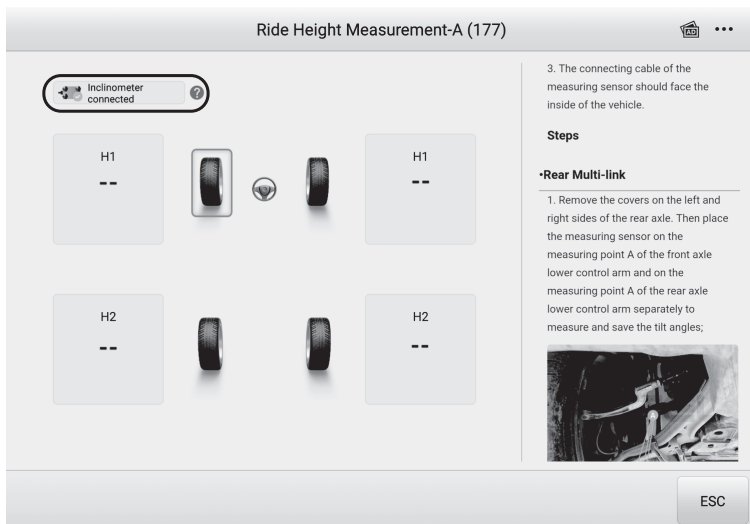
1

Power up your Autel MaxiSys tablet. Select **Hand-held Inclinometer** from the Job Menu to launch the application to measure the ride height of your Mercedes-Benz vehicle.



2

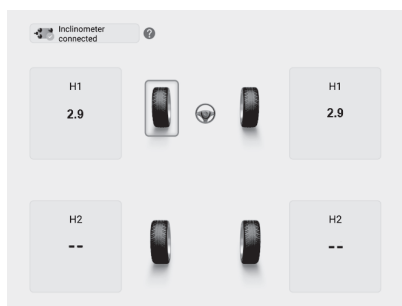
Connect the inclinometer to the tablet (refer to the STEP 2 in *Access Option 1: For Use with an Autel Aligner*). After a successful connection, the inclinometer is ready to be used.



## Using the Inclinometer

1

Locate the lower transverse link on the left front axle of the vehicle. Place the inclinometer against the lower transverse link (Position A), then press the **OK** button on the inclinometer to measure the tilt angle. The measured results will be automatically uploaded to the tablet and displayed in the corresponding input box. Move the inclinometer to the lower transverse link on the right front axle and repeat the procedure.



Find the drive shaft on the right rear axle or left rear axle. Place the inclinometer against the drive shaft (Position B) and complete the measurements as described above.



#### NOTE:

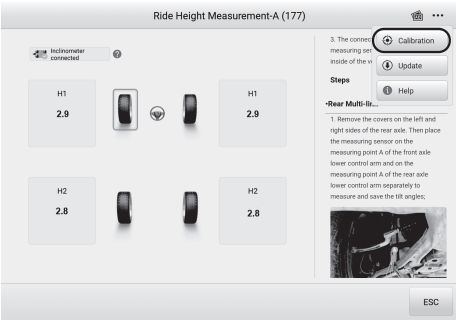
1. When measuring the ride heights on Mercedes-Benz Type 170, 202, 208, or 210, the adapter supplied is required to position the inclinometer because of the structural differences on the vehicle chassis.
2. The illustrations above are for reference only. The positioning of the inclinometer may vary by vehicle model. For specific operations, refer to the instructions on the right side of the screen for guidance on how to measure the ride height for each specific Mercedes-Benz vehicle.

## Calibrating the Inclinometer



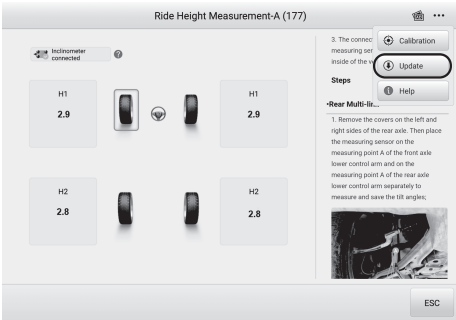
**NOTE:** This inclinometer arrives pre-calibrated and is ready for use. However, if its accuracy is compromised due to factors such as a drop or collision, you will need to recalibrate it before use.

From the Hand-held Inclinometer application, tap the **More** button to open the drop-down menu. Select **Calibration** and follow the on-screen instructions to calibrate the inclinometer.



## Updating the Inclinometer

From the Hand-held Inclinometer application, tap the **More** button to open the drop-down menu and select **Update**. If there is an update available, follow the on-screen instructions to update the firmware on the inclinometer.



## Technical Specifications

Measurement Range	±15°
Accuracy	±0.1°
Application	Mercedes-Benz Passenger Vehicles
Protection Grade	IP65
Operating Temperature	-10–50 °C (14–122 °F)
Storage Temperature	-20–60 °C (-4–140 °F)

**NOTE:** The illustrations in this guide are for reference only. The actual products and screens may differ.