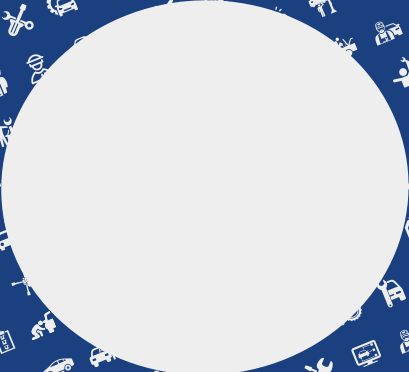
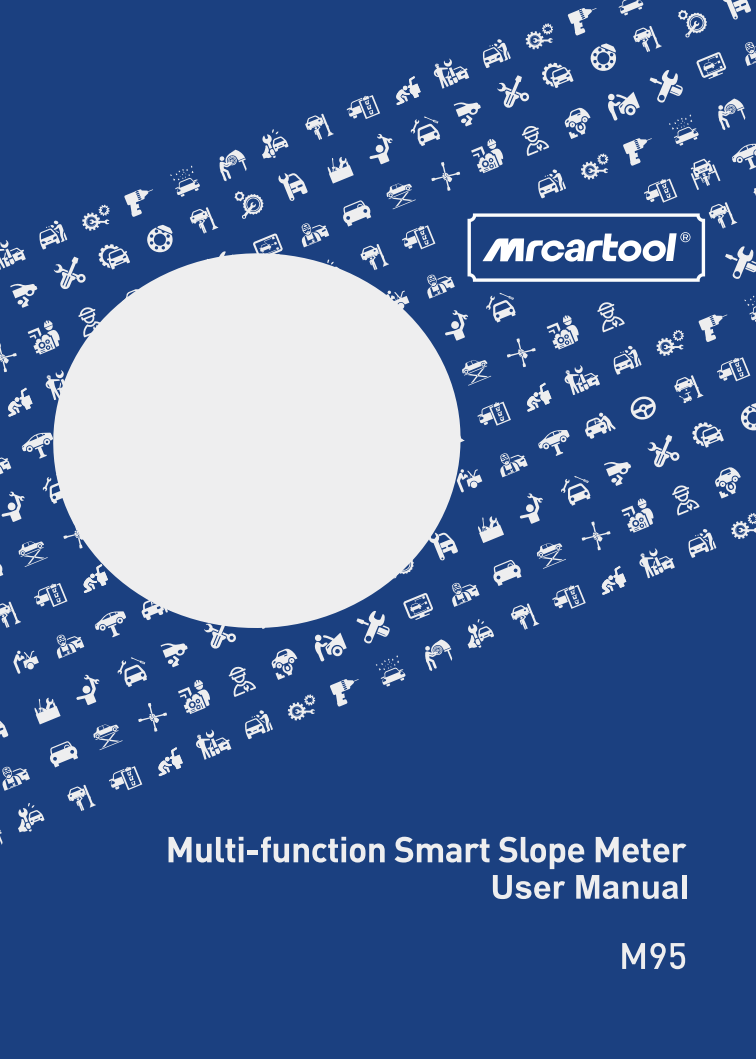




Mrcartool®

Multi-function Smart Slope Meter User Manual

M95

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► Special Note

This manual introduces in detail the functional features, working parameters, structure, operation methods and principle of the smart GPS slope meter, and the company reserves the right to change the product design and specifications. the physical configuration shall prevail on the content of the product packaging.

► Product Introduction

M95 is a smart GPS slope meter that can accurately detect the horizontal tilt angle of the vehicle in real time. The pitch and roll angles are equipped with a safety alert slope alarm function. It is equipped with a GPS/Beidou dual channel module to obtain data from the satellite, and has advantages such as dual signal stability, suitable for all vehicle. M95 will give

you the best company, and at the same time greatly improve the product's safety protection level for users, and escort car owners.

► Main Functions

- Roll angle display
- Pitch angle display
- Driving speed display
- Driving time display
- Driven distance display
- Number of satellites display
- Altitude display
- Longitude and latitude display
- Total mileage display
- Time display
- Compass
- Overspeed alarm
- Roll angle & pitch angle alarm

► Features

- Suitable for all vehicle.
- Equipped with high-precision dual-channel satellite GPS signal module.
- Fully automatic monitoring of vehicle driving conditions.
- Using free rotation, its sensitivity is higher.
- Start with the car, stop automatically dormant function.

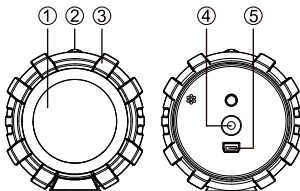
- Use color high-definition LCD screen display, high resolution.
- Compass display, beating with the direction of travel.
- Designed with ABS high temperature resistant material.

► Technical Parameters

- **Power Supply**
DC 10V ~ 30V
- **Working Temperature**
-40°C ~ +80°C
- **Pitch Angle & Roll Angle**
-40° ~ +40°
- **Speed Accuracy**
<0.36Km/h
- **GPS Data Refresh Rate**
1s
- **Product Size**
80*40*95MM
- **Weight**
110g
- **Voltage Measurement Range**
DC 10V ~ 30V
- **Voltage Measurement Accuracy**
±0.3V
- **GPS Cold Start Time**
32s (average)
- **GPS Hot Start Time**
1s (average)

- **Wireless Transmission Frequency**
2.4GHz

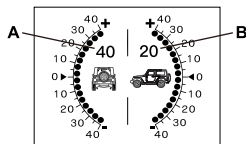
► Product Structure



- ① HD LCD display
- ② Scroll wheel function key
- ③ Smart photosensitive
- ④ Photoelectric sensor
- ⑤ Mini USB power supply interface

► Interface Description

- **Display interface 1**



- Ⓐ Roll angle
- Ⓑ Pitch angle

●Display interface 2

A	TIME 12:30	SATELLITE 12	E
B	SPEED 120 KMH	VOLTAGE 12.0 V	F
C	ALTITUDE 100 M	PAST TIME 12:30	G
D	DIRECTION NE 360°	DISTANCE 12.8 KM	H

- (A) Time (B) Driving speed
 (C) Altitude (D) Driving direction
 (E) Satellite (F) Battery Voltage
 (G) Driving time (H) Driving distance

●Display interface 3

A	12:30 2021/12/05 Monday			B
C	SPEED 120 KMH	ALTITUDE 120 M	VOLTAGE 12.0 V	E
D				

- (A) Time (B) Number of satellites
 (C) Driving speed (D) Altitude
 (E) Battery voltage

●Display interface 4

A	120 KM/H 120 KM			B
C	DISTANCE 120 KM	O D O 000020 KM	PAST TIME 12:30	E
D				

- (A) Speed (B) Number of satellites
 (C) Driven distance (D) Total mileage
 (E) Driving time

●Display interface 5

A	00 00 00 00 00 00 00 00 00 00 00 00			B
C	EW 121.4712007	NS 21.4712007	F	
D	TIME: 100	STA: 100	G	
	ALTITUDE: 0032	VOLT: 100		
	E	H		

- (A) GPS signal (B) Compass
 (C) Longitude (D) Time
 (E) Altitude (F) Latitude
 (G) Number of satellites

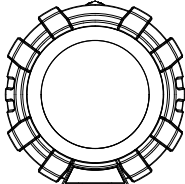
●Display interface 6

A	1230 FT 120 KMH			B
C	SPEED 120 KMH	TIME 12:30	VOLTAGE 12.0 V	D

- (A) Altitude (B) Time
 (C) Driving speed (D) Battery voltage

► Instruction of Buttons

Function key



● Normal mode

Long press the function key for 5S to enter the setting mode, and flick left and right to switch the display interface.

● Set mode

Short press the function key to select the next function setting, and flick left and right to set the parameter.

● Off-road mode display interface

Short press the function key to calibrate the horizontal slope.

► Setting Function

● Language setting:

Long press the function key for 5 seconds to enter the setting mode, select the Chinese and English language by dialing the function key left and right, long press the function key to save and exit.

Set up	
EN	Language
MPH	Speed unit
↑	Altitude unit
LR	Speed alarm
⌚	Time adjust
⚙	Speed adjust
🔊	Sound switch

● Speed unit setting:

In the setting mode, short press the middle function key once to switch to the speed unit setting, toggle the function key left and right to switch (KMH-MPH) kilometers and miles units.

Set up	
EN	Language
MPH	Speed unit
↑	Altitude unit
LR	Speed alarm
⌚	Time adjust
⚙	Speed adjust
🔊	Sound switch

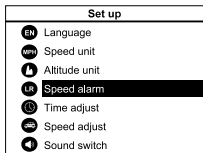
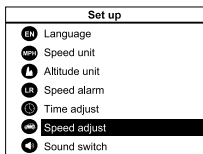
● Altitude unit setting:

In the setting mode, short press the middle function key twice to switch to the altitude unit setting, slide the function key left and right to switch (M-FT) meters and feet units.

Set up	
EN	Language
MPH	Speed unit
↑	Altitude unit
LR	Speed alarm
⌚	Time adjust
⚙	Speed adjust
🔊	Sound switch

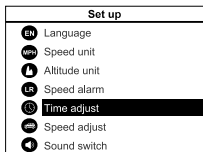
● **Overspeed alarm setting:**

In the setting mode, Short press the middle function key three times in the setting mode to switch to the over-speed warning setting, slide the function key left and right to adjust the value of the over-speed warning.



● **Time compensation setting:**

In the setting mode, short press the middle function key four times to switch to the time compensation setting, slide the function key left and right to adjust the time error, in units of 30 minutes.

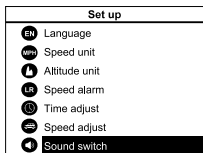


● **Speed compensation setting:**

short press the middle function key five times to switch to the vehicle speed compensation setting, slide the function key left and right to adjust the speed error value.

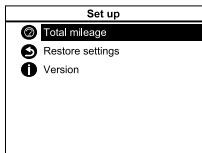
● **Sound ON/OFF setting:**

short press the middle function key six times to switch to the sound switch setting, slide the function key left and right to turn off or turn on the sound.



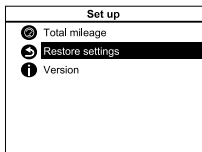
● **Total mileage setting:**

In the setting mode, short press the middle function key seven times to switch to the total mileage setting, dial right to switch to the next digit, dial left to adjust the value, long press in the middle to save and exit (Note: the total mileage value set here The current total mileage of the device will be superimposed, if you want to clear it, please restore the factory settings).



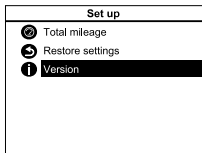
● Restore factory setting:

In the setting mode, short press the middle function key eight times to switch to factory reset, and to restore the factory settings by sliding the function key.



● Version information:

In the setting mode, short press the middle function key nine times in the setting mode to switch to the version information.



► Installation Steps

- Park the car on a level road, stick the adhesive on the product, and fix it in any position inside the car that is convenient for observation.
- Connect the power cord and manually adjust the off-road mode to level. Wait for the GPS satellite signal to be received, until the data is displayed normally, you can drive.

► Warranty Service

There are 2 years' warranty for MR-CARTOOL product main unit and 1 year warranty for the accessories since the day the customers have received the product parcel.

► Warranty Access

- Repair or replace the equipment will be done according to the specific fault conditions.
- We guarantee that all replacement parts, accessories or equipment are brand new.
- When there is a product breakdown that can not be solved within 90 days, customer should provide video and pictures as proof, we will bear the freight cost and provide customer the accessories in need to replace. After receiving the product for more than 90 days, the customer shall bear the freight cost, we will provide the accessory for free to replace.

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