



FAQs on Distance to Empty.

1. What is Distance to Empty (DTE)?

The Distance to Empty (DTE) displays the estimated distance the vehicle can travel before it runs out of fuel.

2. Where is it Displayed?

It is displayed in the centrally mounted instrument cluster LCD and is displayed during ignition ON or engine RUN conditions.



DTE DISPLAY IN KM

3. Will the variations in my driving speed, affect the DTE (Distance to Empty) values?

Yes, as fuel consumption will be minimal at optimum speed conditions (depending on gear selection), huge variations in the speed beyond the recommended limits will influence the DTE readings.

4. Can I calculate the fuel consumption based on DTE and trip meter readings?

No. It is only indicative, as DTE can change based on the current driving conditions and the fuel consumption pattern calculated over the last 500 Kms driven.

5. Will the gradient of parking affect the readings on DTE?

Yes. The parking of the vehicle in a gradient will affect the readings on DTE, as the fuel level varies. The fuel level position sensor takes the value of the inclined position of fuel level which affects the DTE readings. But immediately after coming to plain surface the readings adjust to the fuel level.

6. Will my hill driving affect the readings of DTE?

Definitely, it will affect the readings of DTE and low DTE value will be displayed as the fuel consumption on hill driving will be more. It is also affected because of the change in fuel level in an inclined angle.

7. Will my braking condition affect DTE?

Yes. it will affect the DTE if the brakes are applied frequently. The frequent braking will consume more fuel and the fuel level comes down for the distance travelled. This affects the DTE readings and the distance to empty will come down drastically



8. Will the road condition (Metal roads, gravel roads, pot holes etc.,) affect the DTE?

The road conditions will not affect the DTE. The ups and downs of the road conditions are taken care by the tolerance value of the fuel level sensor. But at the same time frequent applying of Brakes and Gear changing in these above said roads will affect the DTE values.

9. What is the tolerance limit of DTE?

There is no tolerance limit for DTE as it is continuously varying due to current driving conditions.

10. Will weather and climate conditions affect the DTE?

Weather & climatic changes doesn't have any impact on the DTE.

11. What will happen to the reading if I refuel?

If you fill the vehicle less than 7 litres then there will be no immediate update to the DTE value for a period of time approximately 12-20 minutes. After this time the DTE will slowly accommodate the range for the extra 7 litres of fuel.

12. Will the battery condition affect DTE?

No. The battery condition will not affect the DTE, however after reconnection of the battery the DTE will revert to a default DTE range.

13. Will the idling of car for a long time affect the DTE?

The idling of a vehicle for long hours will consume fuel without covering any distance and this will affect the DTE.

14. What will be the reading when the customer buys the brand new car?

The brand new vehicle will display DTE based on fuel level available in the tank and preset fuel consumption value programmed by the company and it will keep changing as per the current driving conditions. A Minimum of 14 litres is required to activate the DTE.

15. Can I reset it to Zero or any other value?

No you cannot.

16. What are the conditions which may lead to a wrong reading?

- a) Faulty fuel level sensor
- b) Vehicle Speed Sensor faulty
- c) Any fuel leak in the system
- d) Parking in a high gradient location



17. How will I know that there is a problem with my car on DTE?

If you encounter huge variations in the DTE (500 to 100 kms & back) without a corresponding drop in the fuel gauge, it may reflect a problem. Please get it checked by the dealership.

18. What will be the decrease in DTE for every one km of driving?

It will be one km decrease in DTE reading for one km of driving if the vehicle is driven steadily more on high way conditions. But for one Km of driving would decrease more than one km in DTE when driven in city conditions.

19. What are the parameters affecting DTE?

The parameters affecting DTE are

- a) Driving pattern whether in high way or city conditions
- b) Load on the engine
- c) Electrical loads
- d) Frequency of applying brakes and changing gears.
- e) Engine idling time
- f) Fuel level.
- g) Clutch riding.
- h) Rash driving.

20. When will the fuel warning lamp come "ON"?

The fuel warning lamp will start blinking when the DTE display indicates 80 km.

21. How is the DTE calculated?

DTE is based on what is called a running average fuel economy (RAFE) which is calculated based on the driving style of the vehicle over the previous 500km. This is a continually updating value. If the customer does a lot of city driving / hard driving, the RAFE will be much higher than a customer who does pure highway driving (i.e. it corresponds to Fuel Efficiency - hard driving uses more fuel than city driving). The base calculation is done on the available quantity of fuel.