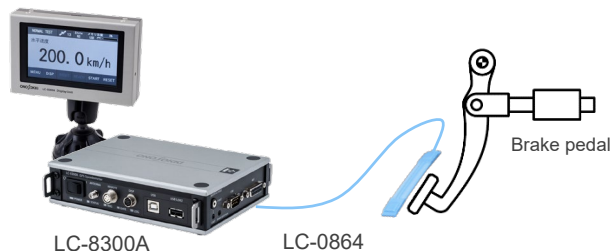


## Deceleration and braking distance in braking test, drift amount measurement

### Overview

It calculates evaluation indexes for braking tests such as deceleration and braking distance, and measures the amount of drift during vehicle braking.

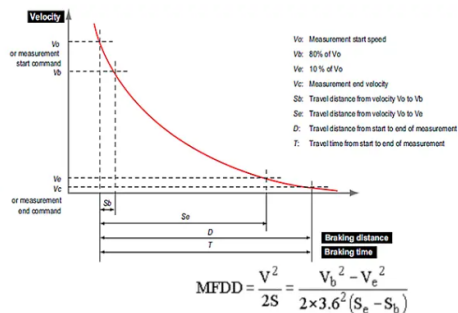


- Major measurement items:
- Mean saturation deceleration (MFDD)
  - Maximum deceleration
  - Braking distance, Corrected braking
  - Braking time
  - Drifting value

- Tests that comply with regulations can be performed
- Safe as there is no need for a person to measure with a tape measure on the proving ground

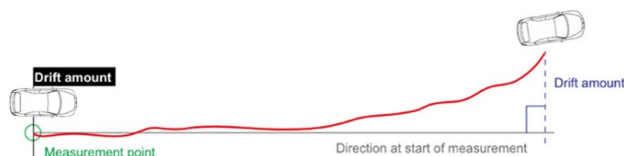
### Calculation of MFDD

Conforming law  
UN-ECE R13-H (Annex3 1.1.2.)  
UN-ECE R13 (Annex4 1.1.2.)



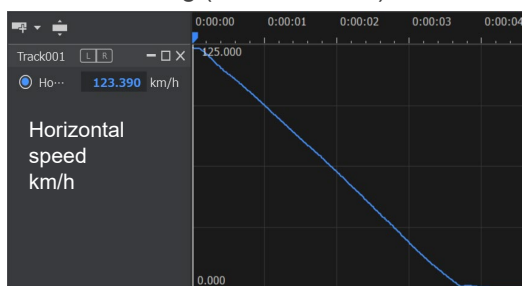
### Measurement of drifting value

Conforming law  
UN-ECE R13-H (Annex6 5.3.6.)  
UN-ECE R13 (Annex13 5.3.6.)



### Measurement results

Sudden braking (120 → 0 km/h)



Visualized and analyzed by the O-Solution

HARD TEST		
Mode	MFDD	
Date	2023/3/11	
Local Time	15:58:47	
Precision	OK	
H.Distance	77.67m	
V:D	7.54m/s <sup>2</sup>	
MFDD	7.949	
Vb	96.82 km/h	
Ve	12.05 km/h	
Sb	32.03m	
Se	76.81m	
Corrected Calc. Mode	OFF	

Output data of LC-0828N Hardware Brake Test function (MFDD mode)

### System configuration

Model	Product name
LC-8300A	GPS Speedometer
LC-0828N	Hardware Brake Test function *1
LC-0831	Acceleration/Deceleration Test function *1
LC-0833	Orbit Display Software *2*3
LC-0864	Tape switch

\*1 LC-0828N/0831 for Braking test (MFDD)

\*2 LC-0833 Necessary when measuring the drifting value

\*3 The drifting value is measured in the PC Test mode. A PC is required.