

Actual vehicle fuel consumption test

Overview

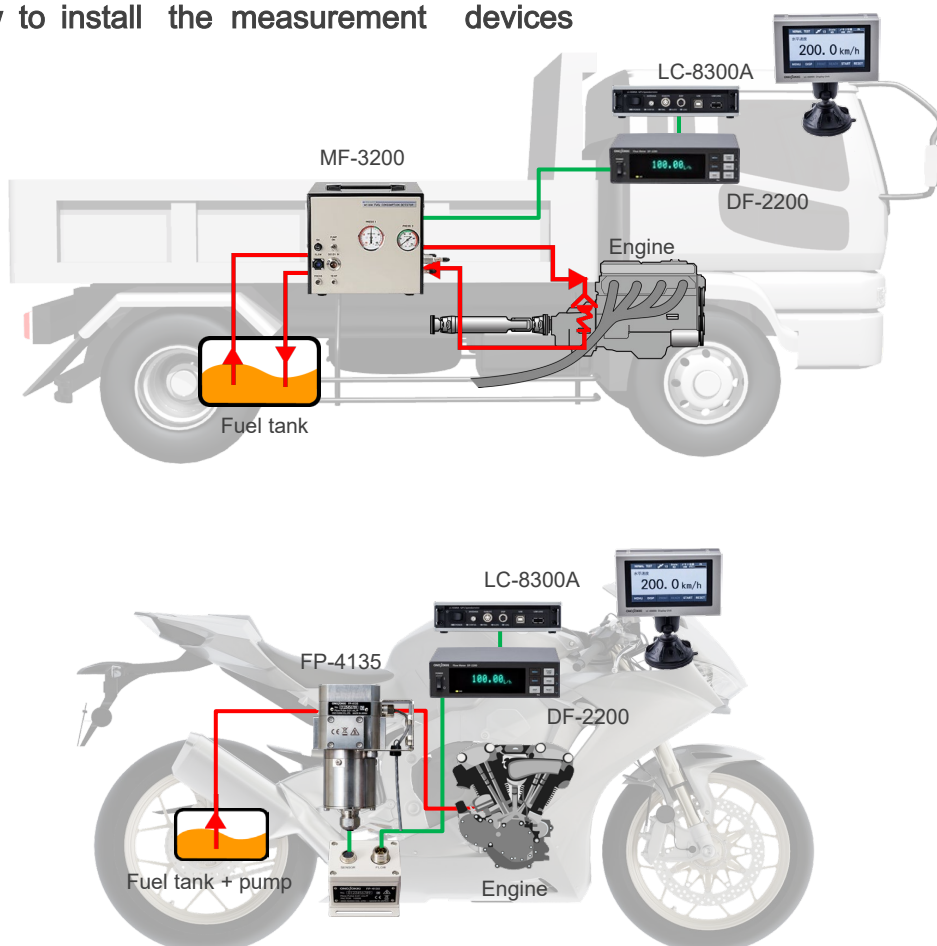
The GPS speedometer and the flow detector are installed in the vehicle to measure the actual vehicle fuel consumption (constant-speed fuel consumption, pattern-mode fuel consumption).

◆ System configurations

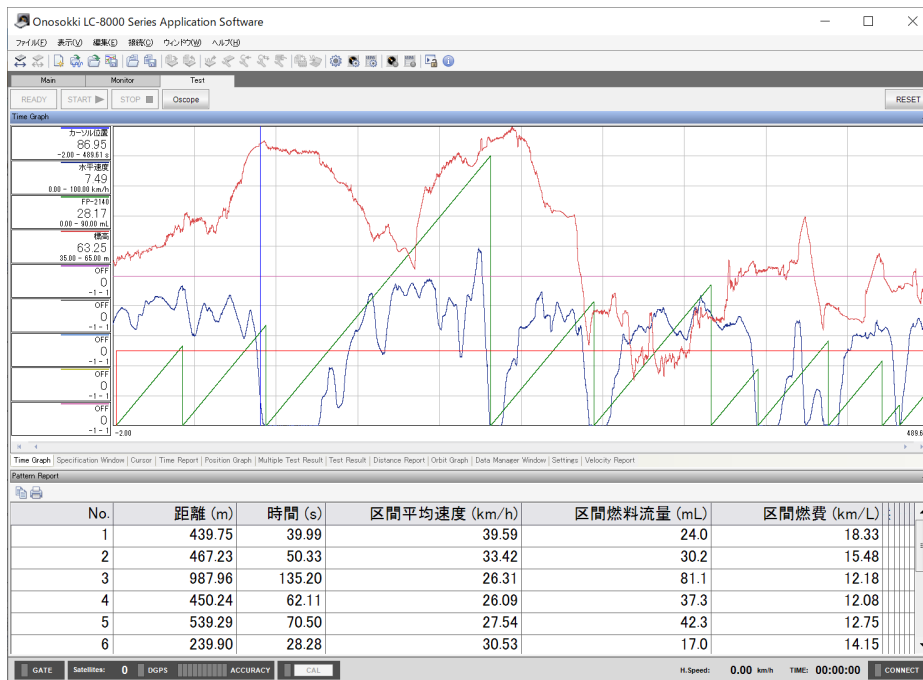


- Flow detector lineup suitable for on-board measurement
- In combination with the GPS speedometer and the fuel consumption test software, the fuel consumption can be measured in actual vehicle/actual driving.

◆ How to install the measurement devices



Measurement results



Visualized and analyzed by the LC-0832

Mode	CONST	
Date	2023/4/1	
UTC Time	6:00:34 +0900	
Precision	OK	
H.Distance	1000 m	
Time	60.44 s	
Init.Velocity	55.32 km/h	
Mean Velocity	59.57 km/h	
Fuel Flow	72.5 mL	
Fuel Economy	13.79 km/L	

Distance	Time	Interval Mean Velocity	Δ Fuel Flow	Interval Fuel Economy	Mean Velocity	Fuel Flow	Fuel Economy
m	s	km/h	mL	km/L	km/h	mL	km/L
100	6.36	56.63	7.6	13.12	56.63	7.6	13.12
200	12.54	58.26	7.4	13.49	57.43	15.1	13.30
300	18.54	59.88	7.2	13.86	58.22	22.3	13.48
400	24.51	60.40	7.2	13.97	58.75	29.4	13.60
500	30.47	60.45	7.2	14.00	59.09	36.6	13.68
600	36.41	60.52	7.1	14.00	59.32	43.7	13.73
700	42.29	61.31	7.1	14.20	59.60	50.7	13.80
800	48.33	59.54	7.3	13.78	59.59	58.0	13.80
900	54.38	59.54	7.3	13.78	59.58	65.3	13.79
1000	60.44	59.44	7.3	13.72	59.57	72.5	13.79

Output data of LC-0832 Fuel Consumption Test function

System configurations

Model	Product name
LC-8300A	GPS Speedometer
LC-0832	Fuel Consumption Test function
DF-2200	On-Board Flow Meter
FP-4135 or MF-3200	On-board Volumetric Flow Detector
MF-3200	On-Board Fuel Consumption Detector
FP series	Flow / Temperature/ Pressure* signal cables

*Pressure signal cable is used only for MF-3200.

* Contents of this document may change without prior notice.