

# CHASSIS DYNAMOMETER SYSTEM FOR MOTORCYCLE TESTS

## Overview

Onosokki's chassis dynamometer system can meet the needs of a wide range of motorcycle tests, such as emission performance, horsepower performance, environmental performance and strength tests. It is supported by superior technology and full line of peripheral equipment. We can also provide technical support for the design of the testing room.

## Performance testing system

### ◆ Features

- A variety of performance and durability tests for motorcycles, acceleration test or horsepower test, can be performed, with a high degree of reliability and accuracy.
- Previously recorded data can be overwritten.

## Emission testing system

### ◆ Features

- Supports various emission tests in many countries.
- Linked to analyzers and Driver's Aid, each process is automatically executed. You can output the reports.



## Chassis dynamometer system for ATV

### ◆ Features

- A chassis dynamometer system for ATV (2WD, 4WD)
- Supports various performance tests including emission performance test.

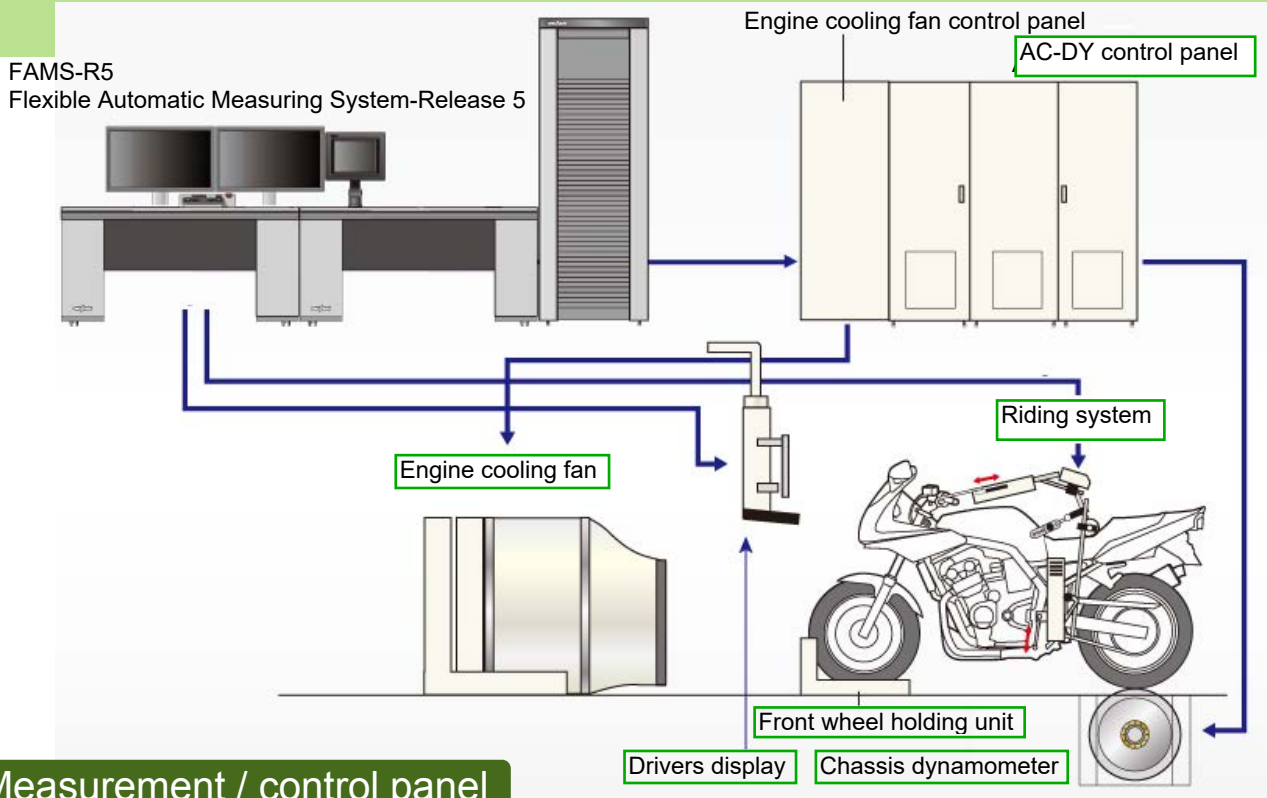


## Specifications (for chassis dynamometer application)

Function	Function	S/O	Function	Function	S/O	Function	Function	S/O
Measurement input	Speedometer, engine rotation speed, temperature, humidity etc.	S	Data record setting	Recording of interval averages	S	TH/CL/CH/BR Control function	-	0
	Upper/lower limit alarm function	S		Drive recorder	S	Drivers Aid	Drivers Aid	0
Alarm function	Alarm record setting function	S		Transient recorder	S		Program for driving pattern generation with WMTC gear shift	0
Real-time calculation function	-	S	Moving average data setting	-	S	Gas emission data	-	0
Auto operation function	Pattern edit	S	Analog output for record	-	S	Output data processing for rear wheel	-	0
	Scheduler operation setting	S	XY Transient monitor	-	S	Growth graph	-	0
	Program monitor	S	Road resistance test	Friction measurement	S	Endurance test setting	-	0
		Operation sequence setting		S	ECU communication	-	0	
		RL external control		0	DS Link	-	0	

S : Standard function O:Optional function

## System configuration



## Measurement / control panel

### ◆ FAMS-R5 Flexible Automatic Measuring System-Release 5

- Since FAMS-R5 has a wide range of optional software provided in module basis, it can easily be applied to various purposes from basic to high level testing such as emission test, power train test, and HEV transmission test.
- A variety of optional software enables it to build up easily the advanced testing system.

## Peripherals

### ◆ Drivers Display

- Screen switching function : measurement screen or Drivers Aid screen.
- Displaying each data on the measurement screen helps driving operation so that a driver can check the driving status.



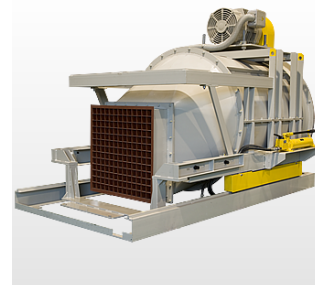
### ◆ Riding System

- The integrated actuator allows easy installation to the test vehicle.
- High accuracy of on-board simulation of actual running



### ◆ Engine Cooling Fan

- Vehicle speed tracking type engine cooling device
- Applicable fan type : centrifugal fan, axial flow fan.
- Wheel base adjustment in interlocked with the front wheel holding unit



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\* Outer appearance and specifications are subject to change without prior notice.

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