

MT511 MOTOR CYCLE DYNAMOMETER, Computer Interface



Note: The motorcycle is not including in our product

GENERAL DESCRIPTION:

This is a floor mount chassis type dynamometer for testing motor cycle.

It consists of a platform on a steel frame, a medium inertia roll with traction grooves, a dynamometer with step up drive, an adjustable wheel base front mount, a roll on ramp and tie downs. Manual control for both dynamometer load and engine throttle.

Instruments are provided for measurement of vehicle speed, dynamometer speed and torque, fuel flow rate and temperature.

The dynamometer requires outside water supply for cooling.

Instruction manual is also included.

EXPERIMENT CAPABILITIES:

- Power and efficiency vs vehicle speed at a throttle position.

TECHNICAL DATA:

- Roll : Steel.
- Dynamometer
 - Type : Water brake absorber.
 - Maximum Torque : At 1600 rpm. over 50 Nm.
: At 2500 rpm. over 110 Nm.
: At 4000 rpm. over 100 Nm.
 - Maximum Speed : 8000 rpm.
- Wheel base adjustment : Wheel clamp with front screw adjustment.
- Maximum vehicle speed : 240 kph.
- Measuring instruments
 - Sensors with digital display : Torque
: Vehicle and dynamometer speed
: Temperature of dynamometer water outlet and exhaust gas.
- Software for data display and analysis by computer (separately supplied).
- Power supply : 220 V, 1 Ph, 50 Hz. Other power supply is available on request.

OPTINAL EQUIPMENT:

- MT511-ECA Air Cooled Eddy Current Absorber instead of water absorber.
- MT511-001 Mobile Wheels
This includes mobile wheels with hook attachment for pick-up truck.
- MT511-041 Torque arm with standard weights for torque calibration.
- Other optional equipment, please contact manufacturer (essom@essom.com)

Net (unpacked) shipping dimensions WxLxH : 98 x 260 x 113 cm.
Net weight : Approx. 460 kg.