

Motorcycle Compact Chassis Dynamometer

MCCD-100



The Motorcycle (Compact) Dynamometer is a modular dynamometer which can be disassembled and rolled away by a single person on the included wheels. Despite its small size, it packs impressive power, with a 300Nm, 10,000 rpm retarder coupled to the 6 inch roller. The Tandem roller configuration makes motorcycle mounting easy, and the nose clamp can be screw adjusted, or slid for wheel base. The bikes nose can be held in a screw-clamp, pneumatic or simple clamp. The same roller-load module can be placed in a shallow pit for in-floor mounting. The dyno can use our R&D quality Gen-5 controller, or the lower cost "embedded" controller for workshops. In either case we have a variety of controller software for all applications.

FEATURES

- 100 kW Absorber
- Inertial versions available (can upgrade to loading type later)
- Suitable for motorcycle from 50 to 1500 cc
- Speeds over 200kph at wheel
- Small size easily transported in a car
- Dynamometer Controller
- Free computer software for Graphic Display
- 1 Year Warranty Included

Our systems are 100% Made in Malaysia
We have local technical support, straight from the factory



Controller Model : DL



Controller Model : DC-5MB



FOCUS APPLIED TECHNOLOGIES SDN. BHD.

Lot 463 Jalan Relau K134 Sungai Kechil Iir

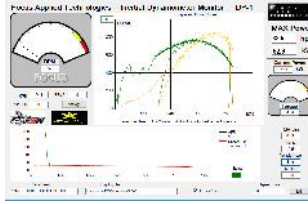
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F.A.T. MIDSIZE COMPACT CHASSIS DYNAMOMETER



Rear-approach ramp



"Power Pull"



EZ-DYNO Software

SPECIFICATIONS

PHYSICAL (roller/dyno unit)

Weight : 70kg (approx)
LxWxH : 900 x 500 x 290 mm

MAINS POWER

Voltage: 120/240VAC
Frequency: 50/60Hz
Current Draw: 10/5A max

CONTROLLER OUTPUT

Controller Power: 3kW (300V, 10A)
Coms: 9600 baud, 8bit, NP

DYNAMOMETER

Mech Power: 267hp max
Torque: 600Nm max
Roller: 320mm diameter
Speed: Hall Effect, 5V excitation
30 pulse per revolution
4,500 rpm, 200kph
Load Cell: 1250Nm, 200 to 500 ohm
4-wire Wheatstone bridge
5 or 10V excitation

ENVIRONMENTAL

Temp: 10 to 40° C Operational
0 to 50° C Non-Operational
Humidity: 5 to 90% Non-condensing
Shock/Vibe: <10g

This small, robust dynamometer is an excellent match for 50 to 1500cc motorcycles. As a loading type dynamometer it can hold vehicles to a given speed or torque for tuning and trouble shooting. The sophisticated controller also allows "pulls" measuring the power, torque and AFT during realistic accelerations. Road Load mode can be used to accurately simulate road operation for drive cycle testing usually for emissions and/or fuel consumption testing and certification. With the optional throttle controller and Clutch Robot, the drive cycle operation can be automated for long-term automated drive cycle testing. The controller can accept additional analog input channels for display and logging. A range of software is available for simple "Dyno Pulls" for racing shops, as well as R&D organizations.



OPTIONS

- High-volume, low noise blower and stand
- Inertia only (upgradable) or Loading type
- Embedded controller or "Stand Alone"
- Low-Cost and Full Frame nose stage
- Wide Band O2 (AFR) sensor
- Digital Fuel Scale
- 5-Gas Analyzer
- Current/Voltage Clamp Meter
- Combustion Analysis



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