

DYNOJET LOAD CONTROL DYNAMOMETER

LOAD CONTROL DYNAMOMETER THE "INDUSTRY STANDARD"



Dynojet introduced a new standard – the 250i Load Control Dynamometer – which advances dynamometer tuning capability even further. Dynojet Dynamometers are affordable, accurate and take the guesswork out of tuning and troubleshooting today's motorcycles. All performance data is instantly acquired and transmitted to your computer via modular hardware. Horsepower and torque curves are viewed on a monitor and/or printed out. Any performance problem on the road or track is duplicated on the dynamometer, where it is detected, measured, recorded and diagnosed. This state-of-the-art equipment will increase your service credibility, customer satisfaction and profits.

MAP FUEL INJECTION

Fuel Injection Tuning is easier than ever with the Dynojet 250i. Offering the latest in eddy current power absorption technology, the Dynojet Load Control System is easy to operate and offers steady-state load control. Closed-loop load control software provides the technician with the ability to control RPM or MPH at any throttle opening. This causes the motorcycle to automatically hold at the technician's pre-determined setting. Repeatable, consistent results are very easy to obtain.

The 250i Load Control Dynamometer is perfect for duplicating specific customer complaint conditions, engine break-in, durability testing and fuel injection mapping. It's like getting two dyno's in one package, because all the features of the Dynojet Inertia Dynamometer are maintained. When used with the optional Air/Fuel Ratio Monitor, every dyno run can show you not only HP or Torque, but also exact air/fuel ratio across your RPM range.

LOAD CONTROL DYNAMOMETER FOR MOTORCYCLES

FEATURES

Catalog No. 250i

- Measures up to 750hp and 200mph
- Eddy Current Load Absorption Unit (250 series only)
- Powder coated chassis, wheelbase capability up to 84 inches (from rear axle to front tire)
- NEW PowerCore Software suite with WinPEP 8 (PC, monitor, printer, etc. not included)
- NEW DynoWare RT dynamometer electronics and hardware
- Integrated control panel stand with console
- Ignition wire inductive tachometer pickup leads
- Front wheel lock
- 2 Channels of Automatic Conditions Measurement (absolute pressure, air temp, humidity)
- 4 Analog Input Channels for 0-5v sensors (sensors and cables not included)
- 14 expansion ports for DynoWare RT accessories and DJ-CAN devices (such as Power Commander, Power Vision, Autotune, etc.)
- Starter system to spin roller (12V, battery not included)
- Installation and operation manuals
- One year replacement parts warranty
- Toll-free technical support

AVAILABLE OPTIONS PAGE 13



NOW SHIPPING WITH;

WinPEP8



Call for more information

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DYNOJET LOAD CONTROL DYNAMOMETER FOR MOTORCYCLES, ATVs, TRIKES & MORE

The Model 250ix Chassis Dynamometer gives you the advanced technology, durability, and accuracy you need, all at an affordable price.

The same technology that has made the Dynojet Motorcycle Chassis Dynamometer the industry standard has led to the development of the MODEL 250ix dynamometer engineered for most other Powersports Vehicles (ATV's, Side-by-Sides, Go-Karts, and Trikes)

Dynojet's cutting-edge engineering delivers the precise horsepower measurements a technician needs to make quick and accurate evaluations of engine and drive-train performance. This allows you to maximize your shop's potential with increased sales, service efficiency, and shop credibility. The dyno's durable, low-maintenance construction ensures that you will be investing in many years of flawless tuning and troubleshooting. By eliminating the need for engine removal, the vehicle mounting time is as little as 5 minutes. A technician can then perform a simple test and examine the results right in the shop. Utilizing the Dynojet WinPEP 8 software, the dyno operator can evaluate the entire drive-train condition for the purpose of routine servicing or all-out performance development.

LOAD CONTROL POWERSPORTS DYNAMOMETER

Catalog No. 250ix

(Shown with optional Power Carriage/Clamp, and Dual Axis Fans)



UPGRADE TO THE ULTIMATE IN MOTORCYCLE & ATV DYNAMOMETERS!

Existing Model 200i or 250i owners can upgrade their equipment by adding an X - Module Roller - Catalog No. 77000003

FEATURES

- Accommodates Motorcycles and most other powersports platforms (ATV's, Side-by-Sides, Go-Karts, and Trikes)
- Measures up to 750hp and 200mph
- Eddy Current Load Absorption Unit (250 series only)
- Powder coated chassis, wheelbase capability up to 84 inches (from rear axle to front tire)
- NEW PowerCore Software suite with WinPEP 8 (PC, monitor, printer, etc. not included)
- NEW DynoWare RT dynamometer electronics and hardware
- Integrated control panel stand with console
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DYNO TEST ROOMS AVAILABLE

SEE PAGE 14. CALL THE CARLSON COMPANY FOR A COMPLETE DYNO ROOM BROCHURE



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DYNOJET INERTIA DYNAMOMETER

When it comes to everyday motorcycle performance measurement, problem diagnosis and precision tuning, the Dynojet 200i Inertia Dynamometer offers fast, accurate and repeatable solutions. It has no controls to adjust, is quick and easy-to-use, and takes the guesswork out of performance evaluation. The technician saves time by simply running the bike on the dyno for a few seconds – from the lowest to the highest desired RPM or MPH.

The inertia dynamometer measures performance while the bike is accelerating a heavy rotating mass and displays complete HP and Torque curves from a single run. This simulation of real riding conditions permits actual dynamic fuel-flow testing, which enables you to study the engine's ability to accelerate the bike's load across the engine power band. Troubleshooting ignition vs. air-fuel problems, or rich vs. lean conditions, becomes more profitable.

Following its introduction in 1990, the Dynojet Inertia type dynamometer quickly became the standard for performance measurement and engine tuning in the motorcycle industry. Its ease of use and powerful software attracted customers from around the world. Dynojet ushered in a totally new era of performance evaluation and precision tuning, and as a result, now has thousands of dynamometer installations worldwide. The 200i Inertia Dynamometer provides the technician with instrumentation and facts instead of seat-of-the-pants guesswork.



MODEL 200i INERTIA DYNAMOMETER

Catalog No. 200i



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FEATURES

- Measures up to 750hp and 200mph
- Eddy Current Load Absorption Unit (250 series only)
- Powder coated chassis, wheelbase capability up to 84 inches (from rear axle to front tire)
- NEW PowerCore Software suite with WinPEP 8 (PC, monitor, printer, etc. not included)
- NEW DynoWare RT dynamometer electronics and hardware
- Integrated control panel stand with console
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THE SAME TECHNOLOGY THAT HAS MADE THE DYNOJET MOTORCYCLE CHASSIS DYNAMOMETER THE INDUSTRY STANDARD HAS LED TO THE DEVELOPMENT OF THIS DYNAMOMETER ENGINEERED FOR MOST OTHER POWERSPORTS Vehicles (ATV'S, SIDE-BY-SIDES, GO-KARTS, AND TRIKES).



SPECIFICATIONS

MAXIMUM HORSEPOWER	750hp
MAXIMUM SPEED	200mph/322kph
MAXIMUM LENGTH	84in/213.3cm
(FRONT OF FRONT WHEEL TO CENTER OF REAR WHEEL)	
DRUM DIAMETER	18in/45.72cm
DRUM WIDTH	16.38in/41.6cm
DRUM WEIGHT	500lbs/227kg
DRUM CONCENTRICITY	+/-0.001 in
TIMING ACCURACY	+/- 1 microsecond
DRUM SPEED ACCURACY	+/- 1/100TH mph
RPM ACCURACY	+/- 1/10TH rpm



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DYNOJET DYNAMOMETER OPTIONS



MONITOR TRAY

The Monitor Tray attached to the control pod and supports a monitor, keyboard and mouse. It is adjustable for optimum placement.

DUAL COOLING FAN SYSTEM

This integrated cooling fan system option has adjustable arms and can move 1800 CFM from each fan. These fans are controlled from the control pod.



THE POWER WHEEL CLAMP & POWER CARRIAGE OPTIONS

These options allow the dyno operator to adjust the carriage length and clamp the front wheel from the control pod, while seated on the bike.

EXTENDED WHEELBASE CARRIAGE OPTION

This option is necessary for testing long wheelbase motorcycles. Accommodates up to 102in, measured from rear axle to the leading edge of the front tire.



TORQUE CELL MODULE

Measures real-time torque, and allows sweep, step and custom load simulation tests.

May also be used to set ignition timing for maximum torque.

H-D FUEL TAP

H-D Fuel Tap is a dyno accessory available for DynoWare RT that provides fuel pressure as a data input for WinPEP 8 dyno users! It plugs directly into the stock fuel system with quick disconnects for fast and easy installation and fits 2001 and newer H-D models.



FOLDING RAMP

This option includes gas assist struts for one person operation.

The ramp features a dual-angle moderate slope design to aid in loading/unloading lowered and longer wheelbase motorcycles.

Supplemental ramp available for "X" models (requires primary ramp).

IX RAMP SHOWN



AFR-2 (DUAL AIR/FUEL SYSTEM)

The AFR-2 has two wide band O2 sensor inputs so you can sample two air/fuel ratios at the same time for measuring bank-to-bank. The AFR-2 uses the DJ-CAN system, which allows you to daisy-chain multiple AFR-2 modules to read up to 8 AFR's. The AFR-2 houses the Gen4 air pump system and comes standard with one O2 sensor.



EDDY CURRENT LOAD ABSORPTION UNIT

The Eddy Current Load Absorption Unit can be upgraded to any Dynojet inertia model, such as the 200/200i, and enables the ability to perform loaded tests such as closed-loop RPM step tests when tuning fuel-injection with a Power Commander or Power Vision.

H-D DATA LINK

Connect any Delphi equipped Harley-Davidson® (CAN & J1850) to DynoWare RT to read and sample live data direct from the bike! Whether you are making EFI calibrations, diagnosing a problem or simply getting a horsepower reading, the H-D Data Link gives you more data such as volumetric efficiency, spark advance, cylinder temp, and more.



DYNO TEST ROOMS AVAILABLE, SEE PAGE 14



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