

# MD MUSTANG DYNAMOMETER



Automotive  
- AWD -  
- 2WD -  
Motorcycle  
Portable



## Speedometer Testers

Designed To Test Next-Generation AWD Vehicles and 2WD Vehicles With Advanced Traction & Stability Control Systems!

Mustang's line up of light-duty 2WD, AWD and motorcycle speedometer testers are designed to certify the accuracy of a vehicle's speedometer. Constructed using heavy-duty structural steel frames, precision machined and dynamically balanced rollers and oversized bearings and belts, a Mustang speedometer tester is built to last. Mustang's Speedo Tester Software provides for speedometer tests in 5 mph increments from 25 to 125 mph and makes certifying and calibrating speedometers simple and easy.

# MD-AWD-05K-ST Series

**Type:** Cradle-roll configuration

**Max Load Per Axle:** 11,023 lbs.

**Frame:** Heavy-duty structural steel

**Sensor Type:** Digital Pulse Speed Sensor

**Max Speed:** 125 mph

**Roll Diameter:** 8.575" precision machined & balanced

**Wheelbase:** 96' - 122" standard wheelbase (longer avail.)

**Air Requirements:** 80-100 PSI, Dry, Reg. oil free

**Power Requirements:** 115 VAC Single Phase, 60 Hz, 15 Amps



## Mechanically-Link AWD Speedometer Tester

Mustang's AWD-05K-ST Series incorporates a mechanically-linked internal drive system that synchronizes the front and back rollers to simulate a flat, dry road condition. Synchronization, or linkage, insures that the front and rear rollers are always spinning at precisely the same road speed. This process eliminates the possibility of activating a vehicle's traction control system and also insures that a vehicle's torque management system is operating under the assumption that the vehicle is not skidding, turning or slipping.



A speedo tester that can accommodate various types of AWD vehicle transmissions and wheelbases without excessive complication and, more importantly, without risking damage to an AWD system is paramount.

## Handles Two-Wheel Drive Traction & Stability Control Systems

Mustang's AWD Speedometer Testers can be operated in AWD Mode while testing 2WD vehicles. This process allows the non-driven axle to be spun by the dynamometer rollers at the same speed as the driven axle, eliminating the speed differential issues that occurs on 2WD testers.



## Optional Air Actuated "On-Off" Coupler

Switching between 2WD and AWD mode on the AWD-05K-ST is done with a simple click of the mouse. Mustang Dynamometer engineered an automatic "On-Off" coupler that is both robust and easy to control. An air piston and arm combination opens and closes a toothed coupling assembly. Engaging the system places the speedo tester in AWD mode, disengaging the coupling places it back in traditional 2WD mode. What could be easier?

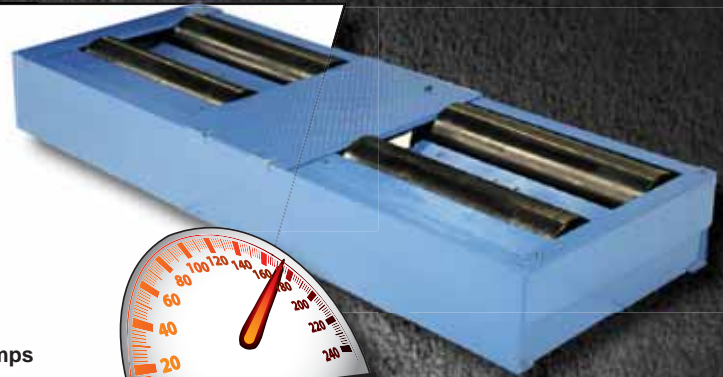


# MD-05K-ST Series

Upgradeable to AWD

**MD**  
**MUSTANG**  
DYNAMOMETER

Type: Cradle-roll configuration  
Max Load Per Axle: 11,023 lbs.  
Frame: Heavy-duty structural steel  
Sensor Type: Digital Pulse Speed Sensor  
Max Speed: 125 mph  
Roll Diameter: 8.575"  
Air Requirements: 80-100 PSI, Dry, Reg. oil free  
Power Requirements: 115 VAC Single Phase, 60 Hz, 15 Amps



## Portable Series



Flatbed-mounted portable MD-AWD-05K-ST.

Mustang manufactures a number of portable versions of our speedometer testers. Depending upon the speedometer tester that is specified, Mustang can offer an enclosed trailer design or a flatbed trailer-mounted portability system to meet your specific application requirements. Mustang's portable systems include every item needed – from wheel chocks to an advanced computer control system – to ensure successful portable operation. A Mustang portable system incorporates every desirable aspect of our traditional speedometer testers into a portable system that can be moved and set-up in a matter of minutes by a crew of only one or two guys.

Portable systems include a standard PC-based control system, roll-around instrumentation cart, a fully-equipped mobility transport system, vehicle restraint kits, air compressor, and electric power generators. Mustang makes slight modifications to existing product specifications – including utilizing lighter materials, shorter frames, and incorporating additional safety measures to achieve the same level of product quality and durability in our portable systems that is traditionally associated with any Mustang Dynamometer product.

Mustang Dynamometer offers the **ONLY CERTIFIED AWD SPEEDOMETER TESTER** for testing Next-Generation AWD and 2WD traction & stability control vehicles.



Enclosed trailer equipped portable MD-05K-ST.



## A word about value

Since its beginnings in 1975, Mustang Dynamometer has prided itself as offering the best value in the industry. We consider our customers our friends – without them we would not be here. When our customers buy a Mustang Dynamometer product, they not only purchase machinery, they also buy into our total commitment to customer service and satisfaction policy. As a customer, you have access to our marketing and advertising resources, our service department, our sales engineers and application specialists, our mechanical and electrical engineers, our software programmers, management staff, and all of our friends in the industry – as they are now your friends too. We are not the lowest priced product on the market, nor do we wish to be. We know the recipe for designing and building a quality dynamometer product – and cutting corners is not an option. On the same token, we are not over-priced. Instead, Mustang offers equipment to the performance market place that is of the best overall value – with the highest quality available at competitive pricing. After meeting with us and seeing our products in action, we know you will agree.

1-888-468-7826

**MD**  
**MUSTANG**  
DYNAMOMETER

[www.mustangdyne.com](http://www.mustangdyne.com)

2300 Pinnacle Parkway, Twinsburg, Ohio 44087  
Ph: 330.963.5400 • Toll free: 888.468.7826 • Fax: 330.425.3310