



DYNOSTAR D70

THE ULTIMATE MOTORCYCLE DYNO





DYNOSTAR D70

The Dynostar Model D70 and D70Ti are the ultimate tools for tuning and diagnostic activities. Many reputable companies, including 6-times World Champion Ten Kate Honda, have already discovered the quality of the Dynostar Model D70/D70Ti.

They are both available as “above ground” model and as a “pit” model and are equipped with a roller with high mass inertia, and can absorb dynamic power up to 465 kW and speeds up to 325 km/h.

The powerful, air-cooled eddy current brake allows the dynamometer to absorb power up to 355 kW (with cold eddy current brake). We can guarantee you optimum grip because the rollers are grooved as standard and optionally treated with tungsten carbide.

The Dynostar Model 70 is a highly accurate dynamometer. The dynamometer is vibration-free, because the roller and retarder are mounted on the same shaft and are dynamically balanced.

The Dynostar D70 Ti is basically the same dyno as the D70. The only difference is that this roller has two detachable flywheels that can be disconnected from the main flywheel to reduce its inertia figure. When performing a drive cycle test or doing static tests this smaller inertia allows more accurate testing. Working with smaller vehicles (like a 50cc scooter) will be much more pleasant.

Standard software features:

- Static power measurement
- Dynamic power measurement: Roll on, Negative test, All gear, Variable transmission,
- Fast acceleration, Multiple speed
- Acceleration test
- Speedometer test
- Weather station
- Power correction to DIN, EEC and SAE standard
- Automatic braking after completing dynamic test
- Real time display of engine speed, power, traction and vehicle speed in software
- Simulation of roller and air resistances for simulating situations on the road
- Automatic calculation of losses in the drive line and calculation of power at crankshaft

Standard hardware features:

- DAS Data Acquisition System
- Advanced Dyno Station Software package
- Junction Box
- 37-pin cable (length 7 m)
- RS232 cable (length 3 m)
- Calibration weight
- Remote control (length 2.5 m)
- Straps (2 pcs)
- Instructions
- CE marking



Technical specifications:

Weight:	800 [kg] 1765 [lbs]	Drum diameter:	0,48 [m]
Dimensions (lxwxh):	2,53 x 1,22 x 0,83 [m]	Total mass inertia:	16,11 [kg/m ²]
Power requirements:	230 [V]	Equivalent vehicle mass:	280 [kg] 616 [lbs]
Max. consumed current:	16,5 [A]	Max. dynamic power:	465 [kW]
Air requirements:	6 [bar]	Max. static power cold:	355 [kW]
Max. speed:	325 [kmh]	Max. static power continuous:	139 [kW]
Drum width:	0,3 [m]		

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