

dynatest® pro



Chassis dynamometer for
vehicles up to 400 kW
engine power

dynatest[®]pro

Chassis dynamometer with eddy-current brake and PC interface for garage and tuning shops

Advantages speak for themselves!

- Optimum cooling of the electronically controlled eddy-current brake owing to large ventilation holes
- Eddy-current brake either in left-hand, or right-hand position
- Short drive-on and drive-off ramps help avoid any damage to low-bed front-spoiler vehicles
- Elevated rollers ensure perfectly horizontal position of the motor-vehicle for the test
- The rollers are locked when the pneumatic lifter is raised.
- The pneumatic lifter cannot be actuated accidentally during the test

- A split centre cover, which is raised and lowered automatically with the pneumatic lifter, prevents damage to differential gear and oil sump

Five test programs

- **P-max:** Measurement of power, velocity and torque
- **V-max:** Test series with different preset velocity limits
- **Power graph:** Automatic test sequence with preset velocity limits
- **Tachograph test:** Verifying linearity and accuracy at up to 10 different speeds
- **F-constant:** Simulation of load conditions such as uphill driving

Retrofit kits for dynatest 112 and dynatest pro

- Without PC: new electronics, hand-held terminal, speed transducer, oil temperature sensor and software
- Including PC: same as above, but in addition with complete PC kit, keyboard, mouse, 17" monitor and user software

Accessories

Mobile cooling blower
Stopping rollers
Pressure and temperature module
Foundation shell
User software
PC, monitor
A4 colour printer, parallel interface

Standard equipment

Double-roller test stand
Rollers precision-balanced at 3400 rpm
Pneumatic lifter
External shoe brake to lock rollers
Split centre cover - automatic lowering
IR remote control
Electronically controlled eddy-current brake
Force measurement: strain-gauge type load cells
Anti-corrosion finish: hot-galvanised roller set, painted rollers

Technical data

General		pro 260	pro 360
Max. test speed	km/h	260	260
Temperature range	°C	0 – 50	0 – 50
Max. brakeable wheel power	kW / km/h	260 / 260	360 / 260
Max. power in the P-max program	kW / km/h	400 / 260	400 / 260
Preset constant velocity	km/h	0 – 260	0 – 260
Energy supply			
Power supply	V	3/N/PE 400 V AC	3/N/PE 400 V AC
Mains frequency	Hz	50	50
Fusing (slow-blow type)	A	25	25
Compressed-air supply	bar	7	7
Mechanical components			
Length x width x max. height	mm	3270 x 1050 x 654	3270 x 1050 x 654
Roller diameter	mm	320	320
Roller spacing	mm	490	490
Useful roller width min. – max.	mm	800 – 2200	800 – 2200
Travel of pneumatic lifter	mm	70	70
Rated lift capacity	t	2	2
Max. axle load	t	3.5	3.5

Snap-on[®] Equipment

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