



# POWERDYNO

FUNCTION AND PERFORMANCE DYNAMOMETER  
FOR MOTORCYCLES, CARS AND COMMERCIAL VEHICLES





# TEST STAND FUNCTIONS

## High level of flexibility in use due to extensive variety of operating modes, covering all fields of application:

- ◆ Static power measurement at constant RPM
- ◆ Static power measurement at constant speed
- ◆ Static power measurement at constant tractive force
- ◆ Dynamic power measurement with adjustable acceleration
- ◆ MAHA towing power measurement guarantees the highest degree of accuracy when measuring power:

Precision calculation of the parasitic losses of the dynamometer, of the vehicle's drive train and the tyre to roller friction and flex losses

- Tachometer testing with up to ten freely selectable test points
- Distance measurement included
- Stopwatch function for measurement of acceleration between optional speed markers as standard
- Optional load simulation with freely programmable load profile
- Optional driving simulation with freely programmable speed profile
- Option of storing programmed profiles in database

# SOFTWARE – ANALYSIS

- ◆ Continuous graphic display and recording of up to 16 freely selectable parameters per performance measurement cycle on one measurement screen
- ◆ In addition to the current performance measurement cycle, fade-in of up to three stored cycles on the measurement screen for optimum comparability during calibration work
- ◆ Two circular dial displays for RPM and speed as well as current oil temperature display, ensuring constant control of key parameters during performance measurement
- ◆ Determination of wheel power, power dissipation, engine power and torque
- ◆ Circular dial display of motor power, RPM, speed and tractive force during simulation cycles
- ◆ With radio remote control as standard for complete control of the dynamometer from within the vehicle
- ◆ Cooling fan switched on and off either at the control console or with the radio remote control



# EXTERNAL EQUIPMENT/ MEASUREMENT DATA

- ◆ With interface box including stand and long connection cable as standard for optimum placement at the dynamometer with MAHA plug-in CAN-DRZ module card for connecting the RPM sensor and with MAHA plug-in CAN-PTH module card for comprehensive recording of external Ambient data such as air temperature, air pressure, rel. humidity and intake temperature
- ◆ Optional connection of MAHA MGT 5, MDO 2 LON and MET SERIES emission testers



GLOBAL PLAYER



... in more than 150 countries worldwide

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