

LPS 3000

PERFORMANCE MEASUREMENT TECHNOLOGY



POWERDYNO

VP 186010

Communication Desk

DESCRIPTION:

central test stand control system for the LPS3000 product range, used in combination with R100 CAR Series/R200 TRUCK Series roller sets

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

Professional, intuitive-use software for the highest expert standards with:

- ◆ 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
- ◆ Standardised extrapolation of motor power in line with DIN 70020, EEC 80/1269, ISO 1585, JIS D 1001 and SAE J 1349 (configuration-dependent)
- ◆ Circular dial display of motor power, RPM, speed and tractive force during simulation cycles
- ◆ Colour-highlighted user prompts integrated within the circular dial facilitate the accurate reproduction of simulation cycles
- ◆ With radio remote control as standard for complete control of the dynamometer from within the vehicle.
- ◆ Radio remote control with long-life battery and charging station
- ◆ Cooling fan switched on and off either at the control console or with the radio remote control
- ◆ 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
- ◆ Interface box optionally upgradeable with MAHA plug-in analogue input module card with 4 sensor inputs for temperature and pressure sensors or lambda sensors
- ◆ Optional connection of MAHA MGT 5, MDO 2 LON and MET SERIES emission testers
- ◆ Optional connection of Krupp/AIC fuel consumption measuring instruments for petrol- and diesel engines

MCD 2000 Communication Desk

- ◆ Robust and multifunctional metal encasement
- ◆ Integrated switch cabinet for housing electronic components

DESCRIPTION:

- ◆ Lockable drawer for keypad and PC mouse and storage compartment for small items of equipment
- ◆ VESA standard bracket for holding the all-in-one PC or PC monitor
- ◆ Can be extended with optional PC storage compartment or side shelves
- ◆ Varnished with high-quality powder coating:
 - window grey, RAL 7040 (switch cabinet)
 - anthracite grey, RAL 7016, (side faces)

TECHNICAL DATA:

Fuse gG	63 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions communication desk (H x W x D)	1560 mm x 860 mm x 420 mm

ACCESSORIES:

VZ 910176	Industrial PC All-in-One
VZ 910177	Industrial PC Compact
VZ 955275	PC-Holder for placement inside MCD 2000
VZ 910052	PC-Keyboard and Mouse
VZ 910091	DIN A4 Ink Jet Colour Printer
VZ 910165	PC Flat Screen 22 inch (TFT Standard)
VZ 910192	Simultaneous Display Unit 40"
VZ 955244	Rotatable & Folding Wall Holder for TFT
VZ 910179	HDMI Cable 15 m
VZ 910180	HDMI Cable
VZ 910181	HDMI-Splitter 4-Port
VZ 955274	Side Shelf for MCD 2000
VZ 955277	External PC Storage Shelf for MCD 2000
VZ 990274	Interface box 1 LPS 3000
VZ 990275	Interface Box 2
VZ 911145	Pressure temp. module (CAN P2T2 Module)
VZ 911146	OBD Module (CAN OBD Module)
VZ 911240	Analogue Input Module (CAN-AIN4 Module)
VZ 990438	Analog Outputs LPS 3000/MSR
VZ 990221	RPM Light Signal Sensor w. reflective spots
VZ 990211	Trigger Clamp for MGT 5
VZ 990225	Oil temperature sensor for cars
VZ 990226	Oil temperature sensor for cars and trucks
VZ 990276	Exhaust Temperature Sensor TEMP
VZ 911147	Software Module Data Transfer
VZ 911148	Software mod. standard eng. power proj. car
VZ 911149	Software mod. standard eng. power proj. truck
VZ 990277	Motorcycle power measur em. via roller set f. cars
VZ 990400	Switching cars/trucks
VZ 911150	Software Module Emission 1 driving cycle
VZ 911151	Software Module Emission 2 lug-down
VZ 990278	Board (DT Module)
VP 994013	AIC-1204 HR 2000
VP 994010	Fuel-Flow-Master (AIC)
VZ 975498	Conn. kit for petrol cars, pressure control valve
VZ 975499	Connecting Kit for Diesel Powered Cars, Adapter
VZ 994014	Carrying Case for AIC-1204 and Accessories
VZ 990427	Wideband Lambda/AFR kit
VZ 911152	Connection Package Petrol Emissions
VZ 911153	Conn. pack. diesel emiss. f. conn. of
VZ 911154	Conn. pack. diesel emiss. hand terminal MDO 2
VZ 911155	Conn. pack. ext. measur m. station emissions
VZ 971114	Service Hour Meter or Usage Counter
VZ 911156	Expansion Kit hard- and software, 4WD
VW 997004	Packing costs display and control unit -Europe-
VW 997204	Packing costs display and control unit -overseas-