PERFORMANCE
MEASUREMENT
TECHNOLOGY
DYNAMOMETERS

LPS 3000 DESK
VP 186010

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The LPS 3000 communication desk has a robust and multifunctional metal housing with an integrated control cabinet to house the electrical components. A lockable drawer for keyboard and PC mouse as well as a storage compartment for other small items is also part of the unit as well as an integrated holder according to VESA standard for holding an all-in-one PC or PC monitor. As an option, it is possible to add side shelves or a PC storage compartment.

PRODUCT DETAILS/ACCESSORIES

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 freelyprogrammable 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 radioremote 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 withthe radio remote control

- 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 Description
- Robust and multifunctional metal encasement
- Integratedswitch cabinet for housing electronic components
- 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

Desk dimensions (H x B x T)	1560 x 860 x420 mm

TECHNICAL DATA

Power supply	3/N/PE 400 V 50 Hz
(Special voltage on request)	
gG fuse	63 A

ACCESSORIES

VZ 910208	Industrial PC Compact with Windows 11 -NET PRICE
VZ 955275	Holder for Compact/Performance PC, suitable for placement inside MCD 2000 desk
VZ 910052	PC Keyboard and Mouse -NET PRICE
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-
VZ 910192	LED simultaneous display unit 43 incl. pedestal, HDMI -NET PRICE-
VZ 955244	Rotatable & Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 47)
VZ 910179	HDMI Cable 15 m -NET PRICE-
VZ 910180	HDMI Cable 30 m -NET PRICE-
VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE
VZ 955274	Side Shelf for Comm. Desk EUROSYSTEM MCD 2000
VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSTEM MCD 2000
VZ 990274	Interface Box 1 with support and connection cable with plug-in environment module
VZ 990275	Interface Box 2
VZ 911145	Pressure Temperature Module (CAN P2T2 Module)
VZ 911240	Analogue Input Module (CAN-AIN4 Module)
VZ 990438	Analog Outputs at Terminal Strip (4 pcs), f. LPS 3000/MSR
VZ 990221	RPM Light Signal Sensor w. reflective spots, 6 m connection cable and holder
VZ 990211	Trigger Clamp for MGT 5, LPS 3000 with Cable (6 m)
VZ 990225	MDO2-LON, MDS-1, MGT5,LPS 3000 Oil Temperature Sensor f. Cars l 100 - 1500 mm, w. 6 m cable
VZ 990226	MDO2-LON, MDS1,MGT 5,LPS 3000 Oil Temperature Sensor f. Cars/Trucks, l 100 - 3000 mm
VZ 990276	TEMP Exhaust Temperature Sensor, max. 1000 degrees C, manu factured on customer's request
VZ 911147	Software Module Data Transfer Conversion of LPS 2000 measurements to LPS 3000
VZ 911148	Software Module Standard Eng. Power Projection Cars/Motorcy. acc.to DIN, EEC, ISO, JIS, SAE
VZ 911149	Software Module Standard Eng. Power Projection f. Trucks acc to DIN, EEC, ISO, JIS, SAE
VZ 990277	Motorcycle Power Measurement via roller set for cars
VZ 990400	Umschaltung PKW/LKW für LKW Prüfstände (R 200/x)
VZ 911150	Software Module Emission 1 driving cycle, (load adaption)
VZ 911151	Software Module Emission 2 lug-down incl. release diesel emission testing under load
VZ 990278	Board for Krupp/AIC Fuel Consumption Testers (DT Module)
VP 994013	Fuel Consumption Meter for Cars MODEL: AIC-1204 HR 2000
VP 994010	Diesel Consumption Meter incl. necessary Hard- and Software
VZ 975498	Connecting Kit for PetrolPowered Cars, pressure control valve for AIC-1204 HR 2000
VZ 975499	Connecting Kit f. DieselPowered Cars, Adapter for AIC-1204 HR 2000
VZ 994014	Carrying Case for AIC-1204 and Accessories
VZ 990427	Wideband Lambda/AFR kit for lambda value or AFR display in test stand software
VZ 911152	Connection Package Petrol Emissions for test chamber connection,
VZ 911153	Connection Package Diesel Emissions for Connection of Test Chamber
VZ 911154	Connect. Package Diesel Emissions Hand Termin. f. connect. of MDO2/MDO2LON hand terminal
VZ 911155	Connection Package External PC-Measur. Station Emissions
VZ 971114	Service Hour Meter or Usage Counter
VZ 911156	4WD Expansion Kit

SUPPLEMENTARY CHARGES

VT 998169	Internal transport -SOUTHPult LPS 3000
VT 998170	Internal transport -NORTHPult LPS 3000
VM 995076	Montagekosten Kommunikationspult LPS 3000 -AUF ANFRAGE
VM 996066	Installation costs for Fuel consumption meter model: Krupp/AIC