PERFORMANCE MEASUREMENT TECHNOLOGY **DYNAMOMETERS**

FPS 2700
VP 230048

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The FPS 2700 roller set is used in test centres and is suitable for vehicles with a single driven axle. It was designed for the exact measurement of the exhaust gas behaviour of vehicles during their transient emission test and permits a driving resistance simulation for the exhaust gas tests ASM-5015 and ASM-2525 (Acceleration Simulation Mode) in accordance with the specifications BAR '97. As a result of the increased tractive force of its eddy current brake, the FPS 2700 is additionally suitable for power measurements at constant speed and constant tractive force.

PRODUCT DETAILS/ACCESSORIES

Description:

- Transient emission testing for accurate analysis and measurement of emissions for vehicles under load (in conjunction with MAHA emission testers)
- Precise power measurement with manual input of ambient data for standard power projection
- Optimum reproducibility of results always guaranteed
- Option of in-ground (foundation required for in-ground installation)
- Optional connection of MAHA exhaust gas measuring instruments MGT 5, MDO 2 LON andMET 6

- Graphic display of wheel power, drag power, standard engine power and torque
- Discrete measurement using speed
- Print-out in graphic and tabular form for accurate logged evaluation and analysis
- Tachometer testing with upto ten freely selectable test points
- Performance measurement (wheel power) possible in the operation modes:
  - constant speed
  - constant tractive force

- Determination of wheel power, power dissipation, engine power and torque
- Evaluation of performance diagrams via cursor function with digital display of measuring values at cursor position

- Varnished with high-quality powder coating: Anthracite Grey, RAL 7016 (frame) Ruby red, RAL 3003 (rollers)

Standard Delivery:

- Self-supporting closed roller set frame
- Pneumatic lifting bar
- Electric eddy-current brake
- Control of the tester via serial interface RS 232
- 10 m connection cable PC/laptop - function tester roller set

TECHNICALDATA

Axle load	2700 kg
Roller set	
dimensions (LxW1/W2xH1/H2)	3539x718/930x450/725 mm
Weight	approx. 1250 kg
Min. track	736 mm
Max. track	2438 mm
Roller diameter	217 mm
Power supply	230 V 50Hz
Fuse	20 A, slow-blow
Compressed air for lifting bar	6 - 10 bar
Min. testable wheel diameter	450 mm

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TECHNICALDATA

Driving direction	one
Max.test speed	200 km/h
Measurement accuracy (wheel power)	+/- 3 %
Max. wheel power	260 kW
Max. tractive force	6 kN
Acceleration mode	2700 kg
Packaging dimensions (L x W x H)	4000 x 1100 x 1000 mm
Weight including packaging	approx. 1350 kg

ACCESSORIES

VP 186050	Communication Desk EUROSYSTEM Car/Truck (w/o electronics) Model: MCD 2000
VZ 955273	Printer Compartment for Communication Desk EUROSYSTEM MCD 2000
VZ 955274	Side Shelf for Comm. Desk EUROSYSTEM MCD 2000
VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSTEM MCD 2000
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 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-
VZ 910052	PC Keyboard and Mouse -NET PRICE
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 910167	USB/RS 232 Converter for Connection to PC/ Laptop w/o. RS 232 Interface -NET-
VZ 975081	Side-Restraining Rollers (2 pcs.)
VZ 935166	Driving Cycle Expansion Kit incl. 900 kg Flywheel Mass (simulated)
VZ 935288	Lashing Straps with Floor Anchor
VZ 975897	Calibration Device ASM AF/BF

SUPPLEMENTARY CHARGES

VT 998165	Internal transport -SOUTHFPS, ASM One-axle
VT 998166	Internal transport -NORTHFPS, ASM One-axle
VM 996102	Installation Costs Function Tester FPS -UPON REQUEST-

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