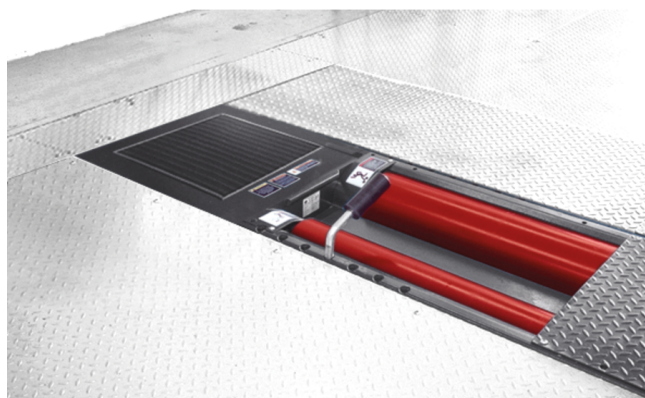


# PERFORMANCE MEASUREMENT TECHNOLOGY ASM

## ASM-P-PLUS VP 230047



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The ASM-P-PLUS 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. The increased tractive force of its eddy current brake means that the ASM-P-PLUS is also 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)
- Driving resistance simulation for ASM-5015 and ASM-2525 emission tests (Acceleration Simulation Mode) in line with the BAR '97 specifications

#### Roller Set Description and Standard Delivery

- Self-supporting closed roller set frame
- In-ground installation Foundation required for in-ground installation
- Electric eddy-current brake with separate flywheel
- AC-Motor including control and power electronics
- Foundation cover plate
- Varnished with high-quality powder coating: Anthracite Grey, RAL 7016 (frame) Ruby Re, RAL 3003 (rollers)

#### Operating modes of the tester in conjunction with emissions analyser or external PC:

- Driving resistance simulation for ASM-5015 and ASM-2525

emission tests (Acceleration Simulation Mode) in line with BAR '97 specifications

- Driving resistance simulation for transient emissions testing in line with standard test cycles (note: vehicle inertia simulation in deceleration mode limited to 2000 lbs (900 kg))
- Determination and compensation of equipment's own losses (Parasitic losses) according to BAR '97 specifications. Acceleration of the roller set with built-in AC-Motor to approx. 50 km/h with subsequent performance of roll-off tests (coast-down).
- Performance measurement (wheel power) possible in the operation modes:
  - constant speed
  - constant tractive force
- Control of equipment via serial interface RS232 (e.g. emissions analyser which meets BAR '97 specifications or external PC)
- Test bench is not CE-compliant delivery to non-EU countries only

### TECHNICAL DATA

Axle load	5500 kg
Roller set	
dimensions in-ground (L x W x H)	3640 x 932 x 450 mm
Min. track	740 mm
Max. track	2440 mm
Roller diameter	217 mm
Mechanical inertia	900 kg (2000 lbs)
Power supply	230 V 50 Hz
Fuse	20 A, slow-blow
Min. testable wheel diameter	450 mm
Driving direction	bi-directional
Max. test speed	160 km/h

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**ASM-P-PLUS**  
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## TECHNICAL DATA

Max. wheel power	200 kW
Max. tractive force	6000 N
Vehicle inertia simulation	
Acceleration mode	(6000 lbs) 2700 kg
Deceleration mode	(2000 lbs) 900 kg
Adjustable increment	1 lb
Packaging dimensions (L x W x H)	4000 x 1100 x 1000 mm
Weight .	approx. 1400 kg
Weight including packaging	approx. 1500 kg

## ACCESSORIES

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 935288 Lashing Straps with Floor Anchor

VZ 911224 ASM-P Software Module Standard Power  
Measurement

VZ 975897 Calibration Device ASM AF/BF

## SUPPLEMENTARY CHARGES

VT 998137 Transportkosten für ASM

VM 995010 Assembly costs after expenditure of time by hour.

VV 997554 Packaging charges for Adjusting device