



### ASM-BF/2 4WD VP 230044

The ASM-BF/2 4WD 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 ASM-BF/2 4WD is built into the base.

#### PRODUCT DETAILS/ACCESSORIES

- 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

- Communication Desk MCD 2000
- Separate panel for control of roller set adjustment
- Self-supporting closed roller set frame

##### \*2 pcs Roller set Model ASM-BF/1

- In-ground configuration, flush-floor installation of complete 4WD roller set, foundation necessary
- Pneumatic lifting bar
- Electric eddy-current brake with integrated flywheel
- AC-Motor including control and power electronics
- Foundation cover plate (traversable up to 3 t)
- Varnished with high-quality powder coating: Anthracite Grey, RAL 7016 (frame) Ruby Red, 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 the

##### 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:
  - constantspeed
  - constant tractive force
- Control of the tester via serial interface RS-232 (e.g. emissions analyser which meets 'BAR '97' specifications or an external PC)

##### Description Roller Set Adjusting Device:

- Hydraulic roller set adjustment with cover and sliding plates

- Test bench is not CE-compliant delivery to non-EU countries only

#### TECHNICAL DATA

Axle load	2700 kg
Dimensions (L x W x H)	5660 x 3450 x 800 mm
Weight Roller Set	approx. 820 kg
Roller length per roll	850 mm
Min. track	740 mm
Max. track	2440 mm
Roller diameter	217 mm

# PERFORMANCE MEASUREMENT TECHNOLOGY ASM

**ASM-BF/2 4WD**  
VP 230044



## TECHNICAL DATA

Roller axle distance	444 mm
Displacement	1300 mm
Axle distance	2200 - 3500 mm
Mechanical inertia	900 kg (2000 lbs)
Power supply	230 V 50 Hz
Fuse	20 A, slow-blow
Compressed air for lifting bar	6 - 10 bar
Min. testable wheel diameter	450 mm
Max. test speed	160 km/h
Max. wheel power	50 kW
Max. tractive force	3000 N
Packaging dimensions (L x W x H)	3600 x 850 x 1000 mm
Weight including packaging	approx. 920 kg
Wheelbase min./max.	2200 / 3500 mm
Weight including packaging	approx. 1550 kg
Packaging dimensions (L x W x H)	4100 x 1650 x 1000 mm

## ACCESSORIES

VZ 975081	Side-Restraining Rollers (2 pcs.)	VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 935288	Lashing Straps with Floor Anchor		
VZ 910167	USB/RS 232 Converter for Connection to PC/ Laptop w/o. RS 232 Interface -NET-		
VZ 975897	Calibration Device ASM AF/BF		
VZ 955273	Printer Compartment for Communication Desk EUROSISTEM MCD 2000		

## SUPPLEMENTARY CHARGES

VT 998167	Transport Werkverkehr -SÜDASM Allrad
VT 998168	Transport Werkverkehr -NORDASM Allrad
VM 995010	Assembly costs after expenditure of time by hour.
VV 997554	Packaging charges for Adjusting device