



## EMIDYNO

VP 230018

Roller Set for Emission Testing

### 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
- ◆ Option of in-ground or surface-mounted installation
- ◆ Foundation required for in-ground installation
- ◆ Pneumatic lifting bar
- ◆ Electric eddy-current brake with separate flywheel
- ◆ AC-Motor including control and power electronics
- ◆ Foundation cover plate
- ◆ Varnished with high-quality powder coating:
  - gentian blue, RAL 5010 (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 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)

## TECHNICAL DATA:

Axle load	5500 kg
Track width	736 mm - 2438 mm
Rotating mass per roller set	900 kg
Min. testable wheel diameter	330 mm
Roller diameter	217 mm
Test speed max.	200 km/h
Wheel power max.	200 kW
Tractive force max.	8000 N
Deceleration mode	900 kg
Acceleration mode	2700 kg
Driving direction	One driving direction
Fuse gG	20 A
Power supply	1/N/PE 230 V 50 Hz
Dimensions roller set in-ground (L x W x H)	3539 mm x 718 mm x 450 mm
Dimensions roller set surface mounting (L x W x H)	3539 mm x 930 mm x 725 mm
Dimensions packaging (L x W x H)	1100 mm x 4000 mm x 1000 mm
Compressed air, lifting bar	6 bar - 10 bar
Adjustable increments	0,454 kg
Weight	1350 kg
Weight incl. packaging	1450 kg

## ACCESSORIES:

VZ 975139	Two Weighing Cells
VZ 975218	Set of approach ramps, length 2300 mm (2 pcs.)
VZ 975155	Set of Drive-Over Ramps (ASM-AF/-P/-P-PLUS)
VZ 910167	USB/RS 232 Converter for Connection to PC
VZ 975081	Side-Restraining Rollers (2 pieces)
VZ 911224	ASM-P Software Module
VZ 975147	Calibration Device for ASM and FPS
VZ 975143	Calibration Device for ASM with Weighing System
VV 997426	Packing ASM -Europe-
VV 997427	Packing ASM -overseas-