

# PERFORMANCE MEASUREMENT TECHNOLOGY DYNAMOMETERS

**R 100/1**  
VP 230002



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The double roller dynamometer R 100/1 with eddy current brake on the right side of the vehicle and pneumatic lifting beam is designed to measure the performance of cars and stands out due to its extremely robust, durable and low-maintenance construction. The R 100/1 ensures highest measuring accuracy due to the power measurement at a constant rpm, speed or tractive force, including the drag power measurement. Operating methods such as load simulation, including optional modules for the measurement of external data, are possible.

## PRODUCT DETAILS/ACCESSORIES

### Description:

- Self-supporting closed roller set with an eddy-current brake on the right side of the dynamometer (in driving direction)
- Optional eddy-current brake on the left for left-hand driving
- Pneumatic lifting bar for easy and gentle drive-in and out
- 45 mm roller superelevation for optimum air flow

- Varnished with high-quality powder coating: Anthracite Grey, RAL 7016 (dynamometer frame, covers)
- Wet-coated load roller, ruby red, RAL 3003"
- Optional flame-sprayed rollers for optimum adhesion
- Available with roller axle distance of 500 mm on request for sports cars with limited ground clearance

## TECHNICAL DATA

Axle load	2500 kg
Max. electric eddy-current brake	260 kW
Roller set dimensions (L x W x H)	3345 x 1100 x 625 mm
Weight	approx. 1200 kg
Min. track	800 mm
Max. track	2300 mm
Smallest testable wheel diameter	305 mm
Roller diameter	318 mm
Power supply	3/N/PE 230 V 50 Hz
(Special voltage on request)	
gG fuse	16 A
Min. compressed air for lifting bar	5 bar
Max. test speed	260 km/h
Max. (static) wheel power	260 kW
(dynamic) peak	> 520 kW
Max. tractive force	6 kN
Measurement accuracy	
Wheel power measurement	+/- 2 % from measured value
Packaging dimensions (L x W x H)	3500 x 1220 x 1100 mm
Weight including packaging	approx. 1400 kg

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## ACCESSORIES

VZ 935181	Flame coated load rollers for roller set R 100/R 200 -EXTRA CHARGE-	VZ 935041	Restraining Straps with Tie Plates (4)
VZ 935227	Hydraulic Wheel Base Adjustment for 4WD Tester up to 2.5t axle load (2,36-3,36 m)	VZ 975652	Calibration Device LPS R50/R100/R 200 universal (Telma CC 160, CC 330)
VZ 935059	Aluminium Roller Cover Plates (2 pcs.)	<b>SUPPLEMENTARY CHARGES</b>	
VZ 975134	R100 Roller Cover Plates for Motorcycle Tests. Plates leave one roller partially uncovered	VT 995012	Transportkosten R 100
VZ 975135	Motorcycle Wheel Holding Device with mechanical clamp to hold motorcycle upright	VT 995046	Transportkosten LPS-Allrad
VZ 975011	Mechanic Holding Device for front wheel	VM 995077	Montagekosten R 100
		VM 995078	Montagekosten LPS-Allrad mit 2 x R 100 Rollensatz