



UPGRADE TO TEST LANE

## Suspension tester SAT 690 | THETA | 230V

Special accessory for series BD 4xxx brake testers

Article number: 1 692 106 690

## Description

- Through the SAT 690 it is possible to quickly and unambiguously check and assess axle damping, because this is tester determines axle damping on a physical basis.
- Operation of the SAT 690 is based on the resonance method and it analyses at the resonant frequency the amount of energy present in the vibrating system (wheels, axle and body).
- Through a further physical assessment the dimension-less Lehr's damping factor also known as damping ratio "D" can be determined.
- This measurement principle is considered as being highly accurate and this has been confirmed already several times through comprehensive surveys and comparative tests.

## Technical Data

Weight	650 kg
Fuse protection	16 A
Length	800 mm
Height	280 mm
Operating temperature	-10 - 50 °C
Power supply	230 V   50 - 60 Hz
Width	2320 mm
Max. axle load testable	2200 kg
Test width min. - max.	880 - 2200 mm
Exciter frequency	2 - 10 Hz
Exciter stroke	6,5 mm
Motor power	2 x 1,1 kW
Storage temperature	-10 - 50 °C
Test principle	- Resonance method (THETA method)
Accuracy of readings	+/- 2 % of full-scale reading
Measuring range Damp. Factor „D“	0,02 - 0,3
Plate stroke max.	70 mm
Phases	1
Relative humidity max.	85 %
Max. drive-over load	2500 kg

## Accessories

1 691 602 241	Installation frame for test lane with Theta suspension tester SAT 69x
1 691 602 242	Edge protection for test lane with Theta suspension tester SAT 69x