

# VLT ROAD CONTACT SUSPENSION/ROLLER BRAKE TESTER COMBINATIONS

VLT 362422/M/E/22" TFT, VLT 364222/M/P/22" TFT, VLT 365222/M/P/22" TFT



Standard model



Optional with Console

## Technical specifications Roller Brake Testers:

Model	VLT 362422/M/E/22" TFT	VLT 364222/M/P/22" TFT	VLT 365222/M/P/22" TFT
	VLT 2422/M/E/22" TFT	VLT 4222/M/P/22" TFT	VLT 5222/M/P/22" TFT
Measuring range low	0 - 6200 N	0 - 5000 N	0 - 6250 N
Measuring range high	-	0 - 10000 N	0 - 12500 N
Max. axle weight with 50% braking	2500 kg	4000 kg	5000 kg
Max. axle weight with 70% braking	1750 kg	2800 kg	3600 kg
Max. drive-over weight	4000 kg	5000 kg	6000 kg
Testing speed	5.0 km/h	5.1 km/h	3.9 km/h
Dimensions of rollers	200 x 700 mm	220 x 860 mm	220 x 860 mm
Centre-to-centre rollers	375 mm	420 mm	420 mm
Rear roller raised by	30 mm	rollers at same level	rollers at same level
Minimum / maximum test width	800 x 2200 mm	730 x 2450 mm	730 x 2450 mm
Motor power (2x)	3.8 kW	5.5 kW	5.5 kW
El. supply at 400 V, 3 Ph, 50 Hz	20 Amps delay	20 Amps delay	20 Amps delay
monitor display	22" LCD-TFT monitor	22" LCD-TFT monitor	22" LCD-TFT monitor
Drive-over cover plates	optional	optional	optional
Infrared remote control	standard	standard	standard
Radio frequency remote control	optional	optional	optional
Printer and RS 232 interface	standard	standard	standard
Pedal force transmitter	optional	optional	optional
Optional subframe	VLT 362605/T2	VLT 4005T2/730x2450	VLT 4005T2/730x2450

Note: axle weight is measured by the Suspension Tester.

## Technical specifications Road Contact Suspension Testing System:

Model	VLT 3673/M	or	VLT 3673/MK2
Measuring principle	Eusama		Eusama + phase shift
Motor power (2x)	3.0 kW		3.0 kW
Measuring frequency	25 - 0 Hz		25 - 0 Hz
Freq. regulated by freq. inverter	no		yes
Vertical plate movement	6.0 mm		6.0 mm
Dim. of measurement plate (2x)	400 x 700 mm		400 x 700 mm
Weight measuring system range	25 - 1500 kg each wheel / 50 - 3000 kg per axle		
Maximum drive-over weight	5000 kg		5000 kg

The above mentioned combinations can easily be extended with a VLT Side Slip Tester. We offer our VLT 3932 for stand-alone use and our VLT 3933 for automatic Test Lane use.

## Technical specifications Side Slip Testers:

Model	VLT 3932/M	VLT 3932/M	VLT 3932/M
Linear up to wheel load of (axle)	3500 kg (7000 kg)	3500 kg (7000 kg)	3500 kg (7000 kg)
Max. drive-over weight wheel (axle)	5000 kg (10000 kg)	5000 kg (10000 kg)	5000 kg (10000 kg)
Dimensions of drive-over plate	650 x 700 mm	650 x 700 mm	650 x 700 mm
Dimensions of compensation plate	195 x 700 mm	195 x 700 mm	195 x 700 mm
Measuring range toe in / toe out	-20 / 0 / +20 mm/m		
Contact sensor drive-in / drive-out	no	no	no
Rigid counter plate opposite	VLT 39331	VLT 39331	VLT 39331
Optional subframe	VLT 3918	VLT 3918	VLT 3918



® Patent Pending

VLT 362422/M/E/22" TFT, VLT 364222/M/P/22" TFT, VLT 365222/M/P/22" TFT

VLT Road Contact – Suspension / Roller Brake Testers as Stand-alone version. The most advanced solution to offer your Vehicle owners the service they expect from you as Service – maintenance organization.

This equipment is made for heavy use! Same as you find in the better equipped Vehicle Stations. Standard available with nice and clear 22" TFT Monitor in Console on Pedestal and wall console for Controller box and motor relays. Or as top model with Style full Console with printer compartment and keyboard shelf. Really an Eye catcher in your workshop.

With the purchase of this combination you get the best equipment available in the market. The Road contact Tester operates according the well-known EUSAMA principle. No reference value needed, just give you the correct Safe / Unsafe conditions of the Vehicle.

In addition to the usual road contact values, the following values are also measured and displayed: the contact value difference, resonance frequency and wheel weight at minimum contact value, tyre pressure value, wheel weight and axle weight. There is a general final evaluation so that all these values do not have to be interpreted after every test. This is indicated by means of green, orange and red lights.

The Suspension Tester is used in combination with the Brake Tester. The two pieces of equipment are fitted in one single frame, monitored by the same computer. In our standard configuration we make use of a 22" TFT Monitor. On special order we are able to supply a Read out Cabinet with Dials and Alfa numeric 8 digits display (at higher cost).

The axle weight measured by the Suspension Tester is also used for the calculation of the brake efficiencies.

The VLT 3673/MK2 the more advanced development of the VLT 3673/M fully based on the EUSAMA principle. The VLT 3673/MK2 has beside the EUSAMA the new developed phase shift included what made the EUSAMA measuring somewhat more flexible for the lower wheel weights of smaller vehicles.

Further more the frequency at the VLT 3673/MK2 is controlled by a inverter.



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