

## VEHICLE INSPECTION EQUIPEMNT





## Roller Brake Tester

### VBT-3T/10T/15T



Load cell

### Product Features

Roller brake tester VBT it is a modern equipment for inspection of braking systems in vehicles with total weight up to and above 15t, including cars, commercial vehicles, trucks, buses, tractors, trailers as well as 4×4 drive vehicle. Roller brake tester can work as a part of the integrated VISKOR ABS lane - VST(speedometer tester) and VSS(side slip tester) or as a stand-alone device. Either measuring system VIS-Pro(PC type console) or VIS-Check should be selected.

- ✓ Especially suitable for acceptance and diagnostic lanes
- ✓ Roller beds galvanized and painted
- ✓ Strong and reliable in ground type

### Technical Specification

Description		Roller Brake Tester		
Model		VBT-3T	VBT-10T	VBT-15T
Max axle load		3 ton	10 ton	15 ton
Braking force		1,500 kgf	6,000 kgf	10,000 kgf
Roller	Diameter	104 mm	124 mm	210 mm
	Length	850 mm	1,200 mm	1,200 mm
	Revolution RPM	9 rpm	9 rpm	9 rpm
	Wheel track	1,420 mm	1,850 mm	1,850 mm
Cylinder	Diameter	150 mm	255 mm	300 mm
	Stroke	110	110	110
	Air pressure	10 kgf/cm <sup>2</sup>	10 kgf/cm <sup>2</sup>	10 kgf/cm <sup>2</sup>
Sensor		Load cell	Load cell	Load cell
Drive motor		2 x 0.75 kw	2 x 2.2 kw	2 x 2.4 kw
Motor power		220/380V, 50/60Hz, 3P	220/380V, 50/60Hz, 3P	220/380V, 50/60Hz, 3P
Display power		220V, 50-60Hz	220V, 50-60Hz	220V, 50-60Hz
Dimensions		3,400x755x500 mm	4,000x800x650 mm	4,000x810x650 mm

Technical specifications are subject to changes without notice.



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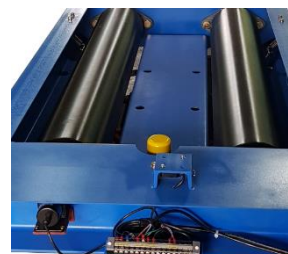
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# Speedometer Tester

## VST-3T/10T/15T



Rotary Sensor

## Product Features

The speedometer is designed to test the accuracy of the speed indicator in the vehicle. The speedometer consists of two pairs of dynamically balanced rollers. The vehicle's wheels drive these rollers, while an electronic speed sensor measures the vehicle speed, which is continuously displayed on the screen. The speedometer is equipped with a pneumatic lift- and brake system. The speedometer has two side protection guide bar to prevent rim and tire damage.

Optional : Free roller set VFR-10T/15T

## Technical Specification

Description		Speedometer Tester		
Model		VTS-3T	VTS-10T	VTS-15T
Max axle load		3 ton	10 ton	15 ton
Max speed		120 km/h	120 km/h	120 km/h
Roller	Diameter	185 mm	185 mm	185 mm
	Length	850 mm	1,200 mm	1,200 mm
	Wheel track	1,420 mm	1,850 mm	1,850 mm
Cylinder	Diameter	150 mm	255 mm	300 mm
	Air pressure	10 kgf/cm <sup>2</sup>	10 kgf/cm <sup>2</sup>	10 kgf/cm <sup>2</sup>
Sensor		Encoder	Encoder	Encoder
Voltage		380V/50Hz/3PH	380V/50Hz/3PH	380V/50Hz/3PH
Dimensions		2,575x800x450 mm	3,210x850x550 mm	3,460x850x550 mm

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## Side Slip Tester

### VSS-3T/10T/15T



### Product Features

Sideslip meter for better accuracy and repeatability.

The sideslip meter tests for tire wear and determines if the wheel alignment needs to be checked. It indicates how much the tire is being dragged sideways and gives a fast indication of the effective dynamic toe.

The VSS Side Slip Testers are connected to a VBT Roller Brake Tester controller and displayed on the digital display or on a VIS-Pro LCD monitor, depending on the configuration of the system.

- ✓ Robust construction for a long life span

### Technical Specification

Description		Side Slip Tester		
Model		VSS-3T	VSS-10T	VSS-15T
Max axle load		3 ton	10 ton	15 ton
Measuring range	IN / OUT	15 mm	15 mm	15 mm
Trade plate	Size	750x500 mm	750x500 mm	750 x 500 mm
	Wheel track	1,420 mm	1,850 mm	1,850 mm
Sensor		Potentiometer	Potentiometer	Potentiometer
Power source		110V/220V, 50-60Hz	110V/220V, 50-60Hz	110V/220V, 50-60Hz
Dimensions		2,540x610x150 mm	2,880x610x150 mm	3,180x610x150 mm

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## Axle Play Detector

### VPD-3T/10T/15T



### Product Features

The VPD Play Detector is designed to check quickly and efficiently most steering and suspension components.

It enables a technician quickly to detect play and wear in the wheel guiding and steering parts of heavy goods vehicles and public service vehicles. A vehicle often shows wear and tear in ball joints, bushings, fixations, pivot points, link bolts and shock absorber mountings. Most worn or damaged components can be identified before they pose problems.

The VPD consists of control unit with hydraulic power unit, a control lamp and two moving platforms, each with a plate. Each platform is actuated by two hydraulic cylinders.

### Technical Specification

Description	Axle Play Detector		
Model	VPD-3T	VPD-10T	VPD-15T
Max axle load	3 ton	10 ton	15 ton
Plate dimension	750 x 500 x 150 mm	1,000 x 750 x 180 mm	1,210 x 850 x 185 mm
Movement of plates	-50mm / 50mm	-50mm / 50mm	-50mm / 50mm
Motor	0.25kW	0.5 kW, 3PH,	3kW
Working pressure	100 bar	160 bar	160 bar
Control unit dimension	50 x 38 x 60 mm	57 x 40 x 78 mm	57 x 40 x 78 mm

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## Free Roller Set

### VFR-10T/15T



### Product Features

Free rollers are needed for testing speed on Speedometers for vehicles with double drive axles and can be used for older types of vehicles with double drive rear axles in combination with a transmission handbrake on the propeller shaft.

### Technical Specification

Description	Free Roller	
Model	VFR-10T	VFR-15T
Max axle load	10 ton	15 ton
Max testing speed	120 km/h	120 km/h
Roller diameter x Length	185 x 1,000 mm	185 x 1,000 mm
Roller track	225 mm	225 mm
Hydraulic supply	From speedometer pump	From speedometer pump
Air pressure	10 bar	10 bar
Dimensions	3,400 x 850 x 550 mm	3,700 x 850 x 600 mm

Technical specifications are subject to changes without notice.



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# ABS Measuring System

## VIS-Pro



Stand post

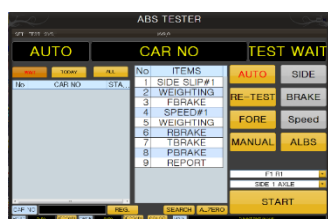
## Product Features

The VIS-Pro is the new modern VISKOR freestanding console desk for ABS test lanes. The VIS-Pro is standard supplied with a PC with Windows and VIS-Pro software, 24" widescreen PC monitor, printer, keyboard, mouse, infra-red remote-control handset, UPS, secondary 27" widescreen monitor with the stand post.

The VIS-Pro is designed as a working desk for the operator to enter customer data, analysis test results, make a printout or transfer data. A parallel display can be connected. Real time values are displayed in parallel to the secondary monitor and can be used by the operator as a read-out unit while testing a vehicle.

All available roller brake testers as well as sideslip meter can be connected to the console to create a test lane exactly adapted to your needs.

## Technical Specification



PC Program



PC Program



PC



Monitor



Printer



UPS



Remote controller

Description	ABS Measuring System
<b>Model</b>	<b>VIS-Pro</b>
Control for	Roller brake tester VBT-3T/10T/15T Speedometer tester VST-3T/10T/15T Sideslip tester VSS-3T/10T/15T
Component	Console, System module, PC, Main monitor, Second monitor, Stand post, printer, keyboard, mouse, UPS, Remote-controller
Display	PC Monitor, Second Monitor
Power source	220V / 50-60Hz
Dimensions	600x600x1,500 mm (console)
Weight	100 kg

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# ABS Measuring System

## VIS-Check



## Product Features

The VIS-Check is the software and display for ABS tester, VBT, VST and VSS.

All available roller brake testers as well as sideslip meter can be connected to the console to create a test lane exactly adapted to your needs.

## Technical Specification

Description	ABS Measuring System
<b>Model</b>	<b>VIS-Check</b>
Control for	Roller brake tester VBT-3T/10T/15T Speedometer tester VST-3T/10T/15T Sideslip tester VSS-3T/10T/15T
Display	LED
Power source	220V / 50-60Hz
Dimensions	2,880x610x150 mm
Weight	4kg

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