

# Hybrid Tester

Side-slip, Brake, and Speedometer Integrated Tester

HYBRID TESTER

MODEL **ABS Series**



Ultimate Tester Integrating the Side-slip, Brake, and Speedometer

Medium-sized truck	Mounting vehicle (packer/unique vehicle)	Specially equipped vehicle
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Support for a wide range of vehicle types with up to **3.6t** axle load!



The side-slip **footboard locking device** can be easily unlocked with a remote control!



**Axle load 3.6t**  
ABS-212/210S/210

**Axle load 3t**  
ABS-206S/206

A thin design with a 250 mm body height is ideal for installation in a multi-story factory. And the full-flat design blends well with the environment of the factory and improves the safety and efficiency of work.

Thin body with <b>250 mm height</b>	Space saving	Full-flat body
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ANZEN's unique technologies

## Selectable from three types of rollers

	<b>Grooved quiet roller</b> ABS-212 This unique roller reduces metallic friction noise during speed measurement while maintaining the same braking force and durability. The general unpleasant noise level from 800 Hz to 2.5 kHz is reduced to suppress a high-pitched squealing sound. A surface geometry with grooves along the roller surface prevents the tires from being caught during rotation to improve quietness.	<b>Silent roller</b> ABS-210S/ABS-206S This roller has numerous crevices on the surface. A soft contact is tire friendly and reduces metallic friction noise. This is recommended for a factory that is trying to reduce noise.	<b>Grooved roller</b> ABS-210/ABS-206 This roller has excellent cost effectiveness. It can be used for all applications, including for vehicle inspection in snowfall areas.
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## Side-slip, brake, and speedometer measurement display can be switched on a single indicator.

The side-slip, brake, and speed can be switched by pressing a switch on a wireless remote control so it is easy to operate from the driver's seat.

### Digital meter method

- Real and hold display are available depending on the application.
- Speed measurement mode: Speedometer conversion values at 40 km/h can be displayed in addition to normal measurement.
- Brake measurement mode: the sum of and difference between the left and right wheels, and the highest and maximum values of the sum can be displayed.

Wireless remote control comes as standard

• Stand type



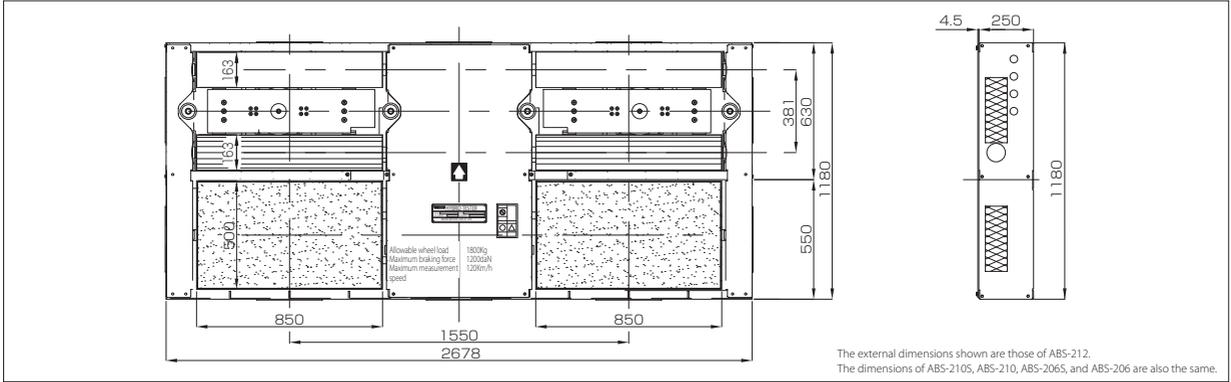
### • Hanging type

Service work space can be used effectively.

Wireless remote control comes as standard



## External Dimensions



The external dimensions shown are those of ABS-212.  
The dimensions of ABS-210S, ABS-210, ABS-206S, and ABS-206 are also the same.

## Specifications (tester)

	Model	ABS-212	ABS-210S	ABS-210	ABS-206S	ABS-206
MLIT registered model	Brake/speedometer tester	BS-212	BS-210S	BS-210	BS-205S	BS-204
	Side-slip tester	ST-210			ST-206	
Model test number	Brake/speedometer tester	JASEA-B-S-42	JASEA-B-S-27	JASEA-B-S-26	JASEA-B-S-12	JASEA-B-S-6
	Side-slip tester	JASEA-A-15			JASEA-A-10	
Allowable axle load (kg)		3,600			3,000	
Roller/footboard	Roller shape	Front axle: flat and smooth, rear axle: groove finish	Front/rear axles: short finish	Front axle: flat and smooth, rear axle: groove finish	Front/rear axles: short finish	Front axle: flat and smooth, rear axle: groove finish
	Outside diameter x length (mm)	φ163x850				
	Footboard dimensions (mm)	500x850				
	Front-rear axle distance (mm)	381				
	Roller/footboard center distance (mm)	1,550				
	Left/right inner/outer width (mm)	700/2,400				
	Rotation (50/60 Hz) (rpm)	6.2/7.5				
Brake test	Maximum braking force (daN)	1,200 (within continuous 30 seconds)		1,000 (within continuous 30 seconds)		
	Sensor	Load cell				
Speedometer test	Maximum test speed (km/h)	120 (within continuous 60 seconds)				
	Normal maximum speed (km/h)	80				
Side-slip test	Sensor	Rotary encoder				
	Side-slip measurement range (mm/m)	IN/OUT 0.0~15.0				
	Sensor	Potentiometer				
Operating air pressure (MPa)	0.97					
Power supply (control part/motor)	AC100V 1A/AC200V 0.75kWx2					
Tester dimensions (mm)	W2,678xD1,180xD250					
Tester weight (kg)	Approx. 850			Approx. 750		

## Specifications (indicator)

	Model	ABS-212/210S/210	ABS-206S/206
Display method		Digital meter	
Brake test	Indication range (daN)	0~1,200	0~1,000
	Minimum display (daN)	1	
Speedometer test	Indication range (km/h)	0~120	
	Minimum display (km/h)	0.1	
	Speed confirmation device (buzzer)	None (setting can be changed)	
Side-slip test	Indication range (mm/m)	IN/OUT 0.0~15.0	
	Minimum display (mm/m)	IN/OUT 0.1	
	Determination function	Buzzer (IN/OUT 5.1 to)	
Indicator dimensions (mm)		W460xD100xH275	

Before using this product, carefully read the precautions indicated by **⚠ DANGER**, **⚠ WARNING**, and **⚠ CAUTION** in the manual supplied with this product to ensure correct use.

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ABS-212-DS CD: 01121681  
ABS-210-DS CD: 01121674  
ABS-210S-DS CD: 01121634  
ABS-206S-DS CD: 01121632  
ABS-206-DS CD: 01121672

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\* These specifications are subject to change without notice.