

COSBER



Cosber - Brake Tester for Cars

C-BTC2x / C-BTC3x Series

Cosber - Brake Tester Car



C-BTC names a complete series of different brake testers for passenger cars and light trucks which follows the guidelines of car manufacturers and test organizations.

This range of products allows plenty of combinations to meet the customer demands. Additionally it is prepared for an extension to a complete test lane.

Designed by German engineering, equipped with German motors and German sensors.

Accessories like 4WD, drive out support, radio remote control and more are available.



Car brake tester

Features

- ▶ High efficiency due to automatic test procedure
- ▶ Quick detection of all brake measurement data
- ▶ Guided information showed on the display
- ▶ Hot-dipped galvanized roller set frame
- ▶ Test load up to 4t
- ▶ Test speed 5,1km/h
- ▶ Extendable to test lane
- ▶ Ground, column or wall mounted control box
- ▶ Column or swivel arm mounted analog display (LED) (as option)
- ▶ Electromagnetic motor brake as drive out support (as option)
- ▶ 4 Wheel-Drive-Kit (as option)
- ▶ Roller cover plates (as option)
- ▶ Motorcycle cover plates (as option)
- ▶ Robust radio remote control (as option)
- ▶ Fits into all common foundations (for replacement business)



Technical parameters

Equipment model	C-BTC 2x	C-BTC 3x
Maximum drive over weight	4000 kg	4000 kg
Max. inspection weight at 50% braking ratio	2700 kg	3200 kg
Brake force detection range	0 ~ 8000 N	0 ~ 8000 N
Wheel track width	800 ~ 2200 mm	800 ~ 2500 mm
Roller diameter	Ø 205 mm	Ø 205 mm
Roller length	700 mm	850 mm
Coefficient of adhesion (dry / wet)	> 0.7 / 0.6	> 0.7 / 0.6
Roller test speed	5.1 km/h	5.1 km/h
Motor power	2 x 3 kW (2 x 4 kW)	2 x 4 kW
Dimensions (L x W x H)	2320 x 660 x 240 mm	2620 x 660 x 240 mm
Equipment weight	430 kg	480 kg

Analog – Display



Swival-arm and column mounting for analog display

Indicator

- ▶ Brake force
- ▶ Operating mode: Manual, Automatic, 4 x 4
- ▶ User guidance
- ▶ Weight in kg (if weight sensors included)
- ▶ Digital difference displayed in % at LED-display
- ▶ Road adhesion in % for suspension tester
- ▶ Difference for side slip tester in m/km
- ▶ Status lights for different operating modes

Technical parameters

Dimensions (L x W x H)	830 x 200 x 610 mm
Equipment weight	25 kg
Protection class	IP54
Brake force range	0 ~ 8000 N
Minimum brake force	100 N
Suspension absorption rate range	0 ~ 100 %
Screen display range	16 characters, 1 line
Braking force display accuracy	1 N
Suspension absorption rate display accuracy	1 %

Control Box



Remote Control



Column



Wall mounting

Technical parameters

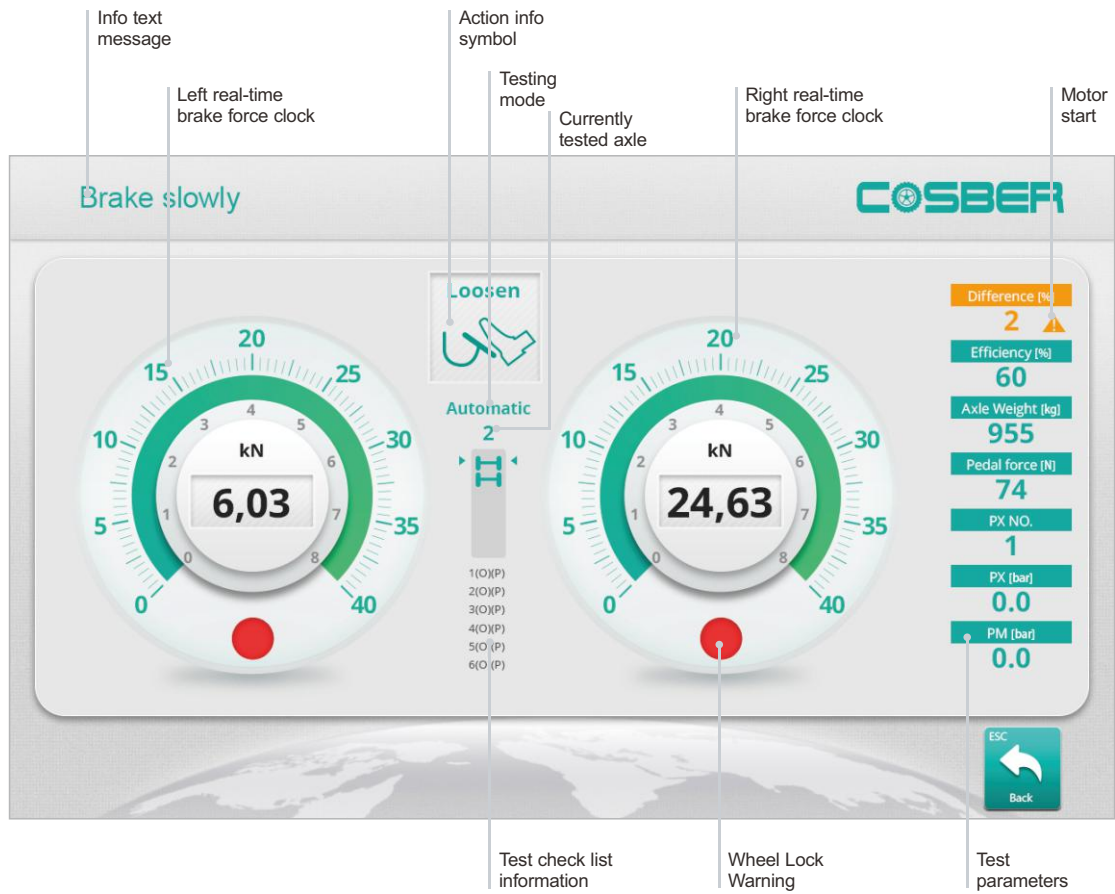
Dimensions (L x W x H)	600 x 570 x 240 mm
Equipment weight	20 kg
Power supply	AC 3-phase x 400V + PE /50Hz
Rated current	400V - 12A
Power cable requirements (provided by customer)	5 x 2.5 mm (3P + N + PE)

Calibration Tool

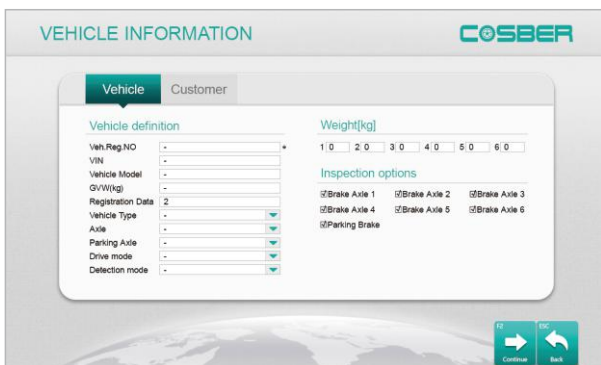
- ▶ Easy to operate
- ▶ High-precision calibration
- ▶ Fast measurement
- ▶ Calibration case (optional)



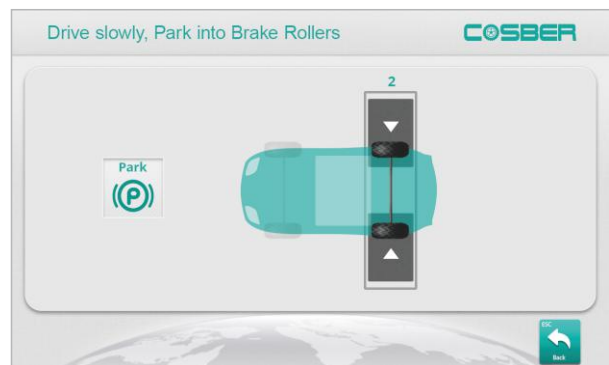
Software



Cosber brake tester software test screen



Easy in-put vehicle data and customer information















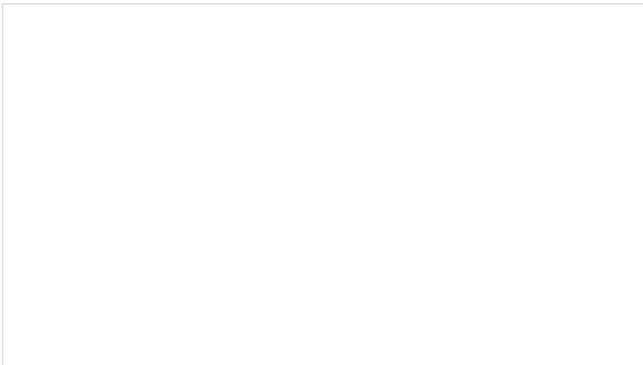
Guided test procedure

Configuration

Equipment	Type	Standard	Option
Brake Tester	Roller type	Corundum roller	Spike roller
	Roller length	700 mm	850 mm
	Weight system	-	4-point-weight-system
	Tastbar diameter	Ø 50 mm	Ø 70 mm
	Motor power	2 x 3 kW	2 x 4 kW
	Frame surface	Galvanized (Hot-dipped)	Spray painted (green)
	Control box Installation mode	Wall mounting	Column mounting
Control box	Drive type	Two-wheel drive mode	Four-wheel drive mode
	Drive out support	Electroautomatic	Electro magnetic Brake
	ASA communication	Yes	-
	Supply voltage	3-phase AC 400V/50Hz	3-phase AC 230V/60Hz
	Remote control	-	Yes

Accessories

Item number	Name	Picture
20.02.15.2001	Analog Display	
20.02.15.3001	Foundation case	
20.02.15.3002	Foundation frame	
20.02.01.0025	Roller cover plate	
20.02.15.0003	Motorcycle cover plate	
20.07.01.9104	Remote control	
20.02.15.2006	Swival arm for analog display	
20.02.15.2002	Column for control box or analog display	
20.02.01.9917	Wall mounting for control box	
20.99.03.0008	Pedal force sensor	
20.02.01.9920	PC cabinet	
20.02.02.0019	Height adapter for installation (30mm)	



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