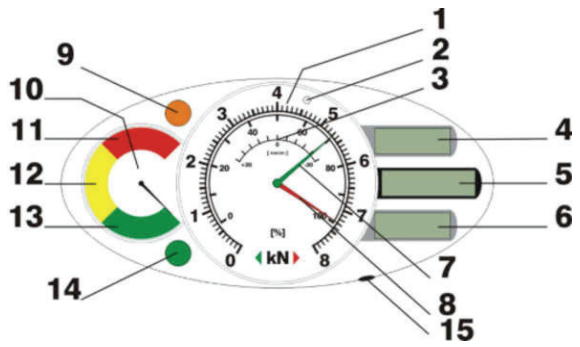
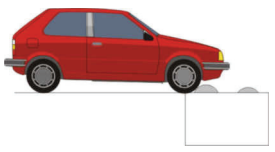
Description of Display



1 Brake force scale in [kN]
2 IR receiver
3 Side slip measuring scale in [mm]
4 Deceleration in %
Driving request
5 Pictogram test devices
6 Brake force difference in %, axle weight, ovality
7 Pointer brake force left
8 Pointer brake force right
9 Alarm, automatic lamp
10 Rating scale
11 Red: Error
12 Yellow: Warning
13 Green: OK
14 Operating lamp
15 Automatic button

Normal Operation



Move vehicle across test stand

- Front axle
- Rear axle

With weighing system:
Display of axle weight when sensoring rollers are pressed down

Start test stand

Single wheel measuring
- Left ON
- Right ON

Axle measuring
- Automatic button

Measuring operation

Switching off criteria
- Slip monitoring
- Sensoring rollers top
- Manual termination by **STOP button**
- Brake force after brake testing longer than 6 seconds at the level of the roller resistance

Red lamp flashes during roller resistance measuring

Ovality measuring
- Brake forces left and right larger than 500 N
- The last three measurements are saved

Saving
- Front axle
- Rear axle
- Parking brake

Repeated display
- Front axle
- Rear axle
- Parking brake

Entry of weight
- Overwriting of weight is possible
- Change also possible after printout, as long as no new saving took place
- Saving buttons for total weight and axle weight exist

Input buttons

Saving button total weight

Saving button axle weight

Display of current weight
- LCD, right pointer
- 1,000 N = 1,000 kg

Printout via printer box

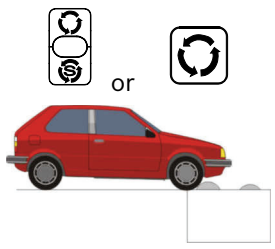
Standard printer
- Olivetti DM 109
- Seikosha SP-2400

LCD display
- Print message
- # Nos of printouts

Total deceleration service brake

Total deceleration parking brake

Automatic Operation



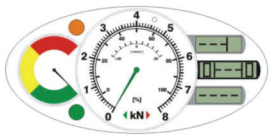
Switch on automatic

- Remote control button
- Press button at the display cabinet for 1 second

Red lamp ON

Important!

No vehicle is positioned on the roller set



Move vehicle across test stand

Green lamp ON

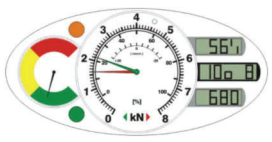
Red lamp ON

Red lamp flashes during roller resistance measuring

Measuring operation

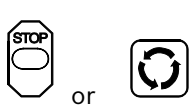
Switching off criteria

- slip control
- Sensoring rollers no longer pressed down
- After a brake test, the brake effect is at the level of the roller resistance for more than 6 seconds.



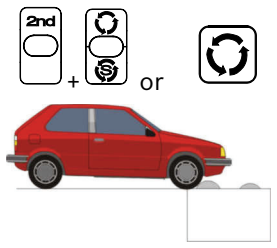
Ovality measuring

- Brake forces left and right larger than 1000 N
- Reduce brake force to roller resistance
- Maintain brake force larger than 500N constant
- Measuring starts after 3 seconds



End automatic operation

Superautomatic Operation



Switch on superautomatic

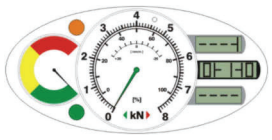
- Remote control button
- Press button at the display cabinet for 3 seconds

Red lamp ON

Flashing part order number on the middle LCD

Important!

No vehicle is positioned on the roller set



Flashing part order number on the middle LCD

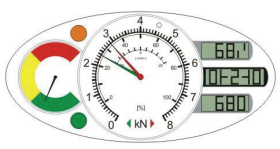
Move vehicle across test stand

Allocation of part order numbers and test sequence

- Part order **1** = front axle
- Part order **2** = rear axle
- Part order **P** = parking brake

IMPORTANT!

The test sequence must be maintained!

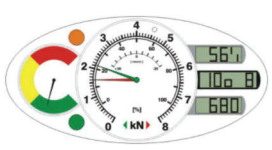


Red lamp flashes during roller resistance measuring

Measuring operation

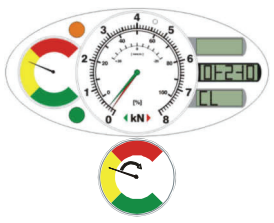
Switching off criteria

- Slip control
- Sensoring rollers no longer pressed down
- After a brake test, the brake effect is at the level of the roller resistance for more than 6 seconds.



Ovality measuring

- Brake forces left and right larger than 1000 N
- Reduce brake force to roller resistance
- Maintain brake force larger than 500N constant
- Measuring starts after 3 s



“decreasing hourglass”

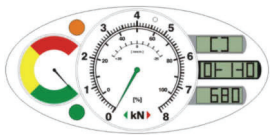
Repetition of the part order

- Peak value display finished
- 3 seconds waiting time
- short brake impulse

Repeat measurement starts

Caution

Deactivated in the standard configuration!

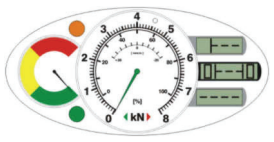


Parking brake on the front axle

- Upper LCD shows „[ ]“
- Short braking impulse, Change to parking brake
- Measurement starts

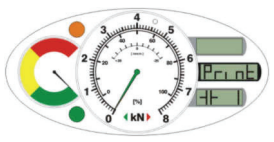
Caution

Deactivated in the standard configuration!



Driving support

- Measurement ended
- Motors remain switched on
- Leave roller set



Automatic printout via printer box

Standard printer

- Olivetti DM 109
- Seikosha SP-2400

LCD display

- print message
- # No of printouts

End Superautomatic