

HIGH-VOLUME WHEEL BALANCERS

geodyna
WHEEL BALANCERS

7600P



HOFMANN 

ADVANCED TECHNOLOGY FOR UNPARALLELED PERFORMANCE

A video wheel balancer for cars and light trucks, the geodyna™ 7600P features the Power Clamp electromechanical clamping system, a touchscreen user interface and video display. Additionally it has 2D SAPE data entry, smartSonar for non-contact rim width acquisition, the easyWeight pinpoint red laser to aid in weight placement and easyALU for reduced setup time and unparalleled performance on every balancing job.



Power Clamp

Patented automatic Power Clamp electromechanically clamps the wheel accurately with a constant force, reducing the opportunity for chasing weight.



smartSonar

Automatically detects rim width and starts the measuring run as soon as the wheel guard is lowered, with a time savings of 30% compared to manual input and reduced user error.



User Interface

Graphical user interface employs touchscreen technology and improved ergonomics to allow for fast, intuitive control of every balancing operation.



Split Weight Mode

Allows exact placement of weights behind spokes so they can't be seen from the outside.



easyWeight

Pinpoint red laser provides fast, accurate, easy positioning of adhesive weights on the wheel, identifying exact weight placement locations for increased accuracy and productivity.



2D SAPE Data Entry

The 2D SAPE gauge arm enables semi-automatic input of rim diameter and offset.



Stop In Position

Automatically indexes the wheel to correction position depending on balancing mode once operator selects amount of unbalance. Pedal-operated electromechanical lock firmly holds wheel in place.



Space-Saving Wheel Guard

Flat back panel allows for placement directly against a wall, reducing footprint to save space in the shop.

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TECHNICAL SPECIFICATIONS

Vehicles supported	Passenger car / light truck / SUV / off-road
Display technology	Touchscreen video display
User interface	Touchscreen user interface
Measuring speed	< 200 RPM
Balancing accuracy	0.035 oz. / 1 g
Angular resolution	0.7 degree
Start/stop balancing time (wheel 195 / 65R15)	6 seconds
Check spin	4.5 seconds
With smartSonar data acquisition	6.5 seconds
Vibratory system technology	VPM with conical flange
Wheel clamping	Power clamp
Manual data entry	
Rim diameter range	8"–32"
Offset range	1"–20"
Rim width range	1"–20"
Semi-automatic data entry (SAPE)	
Data entry – diameter and offset	Semi-automatic, gauge arm
Data entry – wheel width	Automatic, non-contact smartSonar
Rim diameter range	8"–25"
Rim width range	3"–15"
Range of rim diameters where the smartSonar works	13"–26"
SAPE working range	1.3"–12.9" / 33 mm–328 mm
Weight application	
Clip weights	Manual at 12h
Tape weights	easyWeight at 5h / gauge arm at 12h
Software features	
Cycle start	Automatic, start by closing wheel guard
Balancing program selection	Semi-automatic, easyALU
Spoke position detection	Manual

Software features cont.

Multiple user capability	No
Stop in position	Yes
Auto stop system (SAPE arm)	No
Rim lighting	Yes
Split weight	Yes
Minimization	Yes
Optimization	Yes
Self-calibration	Yes
Job counter	Yes

Maximum wheel dimensions

Max. wheel diameter	42"
Wheel width range	3"–20"
Max. wheel weight	154 lbs. / 70 kg

Additional specifications

Diameter of shaft	40 mm
Length of shaft	8.86" / 225 mm
Balancer flange offset	10.55" / 268 mm
Main shaft lock	Electromechanical
Wheel braking after measurement	Automatic
Power requirement	230v – 1 ph – 50/60 Hz – 250W 115v – 1 ph – 50/60 Hz – 250W
Dimensions L x W x H (wheel guard open)	54.6" x 34.5" x 72.2" 1,386 mm x 877 mm x 1,834 mm
Packaging dimensions L x W x H	54.6" x 34.5" x 72.2" 1,300 mm x 1,120 mm x 1,262 mm

INCLUDED ACCESSORIES

- Spacer ring
- Universal drum
- Universal drum cushion
- Large cone (96 mm–116 mm)
- Medium cone (72 mm–99 mm)
- Small cone (42 mm–77 mm)
- Rim width calipers
- User calibration weight
- Weight pliers
- Kit of 4 pegs to be mounted to the left side

Optional accessories

Precision clad & flange plate tool kit

- 9 collet kit
- Small spacer disk
- CenTor™ plate kit
- Black storage stand

For more information regarding geodyna Wheel Balancers, please visit www.hofmann-usa.com or www.hofmann.ca

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