geodyna

WHEEL
BALANCERS

One family –
one concept

HOFMANN®

Novelties in every detail

Hofmann are part of the powerful, efficient Snap-on Group and have been partner to automotive and tyre industries for decades. For more than 80 years our name has been a synonym for quality and competence in garage equipment, certainly an essential reason why our machines have been approved and recommended by many important car manufacturers. Always pioneering new technologies it is our goal that our machines meet latest customer requirements, combining user-friendly features with latest technologies in the market. The result is a large variety of patented innovations which allow you to do an excellent job in your line of business every day. Because we judge ourselves by your business success.

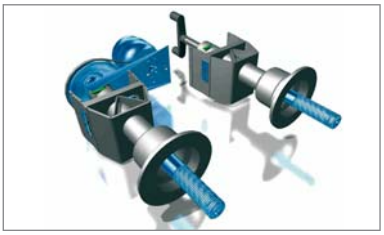
GEODATA GAUGE ARM

This special gauge arm leads the user to the suggested adhesive weight position where it stops to allow absolutely reliable positioning of the adhesive weight held in the wheel weight clamp.

EASYWEIGHT

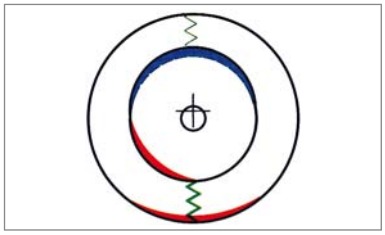
Laser point for pinpoint positioning of adhesive weights on the wheel. No chasing of weights, no misplacement. The easyWeight ensures increased throughput at high accuracy and convenient operation all in one: the bottom weight location is much easier to reach for the user.

VPM MEASUREMENT TECHNIQUE



All machines feature the patented virtual plane measurement (VPM) technique. It ensures most accurate balance results and is insensitive to ambient conditions.

OPTIMISATION



Using this mode possible run-out of the rim is determined and opposed to the heavy spot of the tyre before the residual unbalance is balanced using balance weights.

RIM LIGHTING SYSTEM

As soon as the geodata gauge arm is moved, a halogen lamp lights up the inside of the rim so that the user can determine the exact position of the adhesive weight, following every movement in the mirror.

POWER CLAMP DEVICE

The wheel is clamped on the machine using the patented power clamp device where preferably an optional stud-hole flange is used in addition to a cone. The advantage: the wheel is clamped accurately which is an important pre-requisite for every balancing run.

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geodyna® 960 and geodyna® 990-2

Wheel balancers for small workshops and service stations

geodyna® 960

- Many patented features such as virtual plane measurement (VPM) technique, adhesive wheel weight clamp, and optimisation
- Automatic input of offset and rim diameter via 2D SAPE, manual input of rim width
- LED control panel integrated into the weight tray
- The wheel is clamped on an integrated flange using a quick-clamping nut
- Measurement is started by closing of the wheel guard, or by pressing of the START key
- After measurement the wheel is slowed down automatically and can be safely retained in correction position upon operation of the main shaft lock
- Despite of a measurement speed of less than 100 rpm the wheel guard is included in delivery.

geodyna® 990-2

Additional features:

- Rim width is entered by pressing of the function key and turning of the wheel – another patented feature.
- Dual digital LC display to read out the unbalance of both planes separately
- Featuring easyAlu and an additional time-saver, the QuickBAL function, where only the number of revolutions actually required to get an accurate imbalance measurement is performed.
- The wheel is clamped on the tapered flange using the MZV-4 cone adaptor.
- An optional motorcycle wheel adaptor is available for geodyna 990-2
- The wheel guard is an optional extra on geodyna 990-2

WITHIN EASY REACH

Weight tray with shelves for accessories and wheel weight pockets

GAUGE ARM

Guides the user to the weight position inside the rim.

geodyna® 3900 / S and geodyna® 4500 / 4500p

Wheel balancers for service stations, garages and tyre shops with small to medium tyre service volume

geodyna® 3900

- High performance in compact design
- Automatic input of offset and rim diameter (2D SAPE)
- Input of rim width via keys
- Quick and highly accurate automatic acquisition of rim width with the optional Smart Sonar device
- Start of measurement by pressing of START key, or closing of wheel guard
- Very high productivity thanks to a cycle time (start – stop) of 6 seconds only for a 15“ rim (with Smart Sonar)
- 19“ TFT widescreen monitor with icon-based graphical interface which is intuitive and easy to use
- The wheel is clamped on an integrated flange using a quick-clamping nut

geodyna® 3900 S

Additional features:

- Smart Sonar device for automatic non-contact acquisition of rim width: this saves time and avoids mistakes caused by manual operation and cumbersome callipers

geodyna® 4500-2

Additional features:

- Automatic input of all wheel data (3D SAPE)
- Dual digital LC display to read out the unbalance of both planes separately
- Storage of up to four different user profiles
- The wheel is clamped on the tapered flange using the MZV-4 cone adaptor
- Motor drive via poly V belt ensures constant measurement speed

geodyna® 4500-2p

Additional features:

- Patented power clamp device
- Automatic orientation of wheel after measurement

SMART SONAR

For automatic and non-contact acquisition of rim width: quick, highly accurate, error-free

TFT WIDESCREEN MONITOR

Intuitive user interface

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geodyna® 4550/p and geodyna® 7600

Wheel balancers for high-volume workshops

geodyna® 4550

- The extremely short balancing cycle (start/stop) of 4.5 sec. make this balancer the ideal solution for high-volume workshops.
- Automatic acquisition of rim width with Smart Sonar
- Automatic input of offset and rim diameter (2SD SAPE)
- easyWeight for pinpoint positioning of adhesive weights on the wheel
- High-contrast LED is easy to see in all conditions. Balance weight, weight position and user input are clearly indicated. Intuitive interface is quickly learned.

geodyna® 4550p

Additional features:

- Patented power clamp device

geodyna® 7600

Additional features:

- Intuitive 19“ touchscreen monitor with large digits and coloured weight position indicators – improved intuitiveness and ergonomics.
- Rim lighting system to facilitate rim cleaning and speed up weight positioning.
- New ergonomic weight tray design

geodyna® 7600p

Additional features:

- Patented power clamp device
- Stop-in-Position feature – the operator only has to touch the amount of unbalance on the screen and the wheel is automatically indexed to correction position.

INTUITIVE INTERFACE

geodyna 4550 features an easy-to-understand control panel with LED display and keypad.

TOUCHSCREEN MONITOR

Opening up new opportunities like the Stop-in-Position feature of geodyna 7600p.

geodyna® 6300-2 and geodyna® 6300-2p

Wheel balancers for shops with medium to large wheel service volume

geodyna® 6300-2

- Many patented features such as virtual plane measurement (VPM) technique, geodata gauge arm and easyWeight laser pointer, adhesive wheel weight clamp, optimisation, and rim lighting system
- Automatic input of al wheel data (3D SAPE).
- AutoStopSystem for the geodata gauge arm
- Automatic orientation of wheel into 12 h position when using geodata, or in 5 h position when using easyWeight
- Ergonomic shelves for cones, quick-clamping nut, weight pliers and wheel weights

geodyna® 6300-2p

Additional features:

- Patented power clamp device

DIGITAL DISPLAY

The traditional LC display: functional, neatly arranged, easy to read.

GEODATA

geodata gauge arm with ASS for absolutely reliable positioning of adhesive weights.

RIM LIGHTING

The inner side of the rim is lit up to allow accurate positioning of the adhesive weights.

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geodyna® 6800-2 and geodyna® 6800-2p

Wheel balancers for shops with large wheel service volume

geodyna® 6800-2

- Many patented features such as virtual plane measurement (VPM) technique, geodata gauge arm and easyWeight laser pointer, adhesive wheel weight clamp, optimisation, and rim lighting system
- Automatic input of al wheel data (3D SAPE).
- AutoStopSystem for the geodata gauge arm
- Automatic orientation of wheel into 12 h position when using geodata, or in 5 h position when using easyWeight
- Compatible with asanetwork

geodyna® 6800-2p

Additional features:

- Patented power clamp device

19” TFT WIDE-SCREEN MONITOR

Simple operator guidance, quick results and on-line help.

SPLIT WEIGHT MODE

A single key stroke is enough to split weights such that they can be hidden behind adjacent spokes.

geodyna® 6900-2p

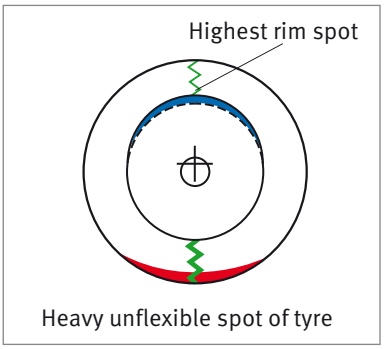
Automatic wheel balancer for shops with large wheel service volume

geodyna 6900-2p

Clamp the wheel, close the wheel guard and all wheel data is detected automatically in a single measuring run – the operator does not even have to touch the wheel.

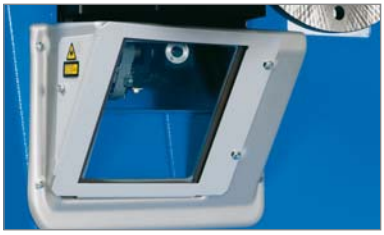
That‘s how easy and quick professional wheel balancing can be.

- With patented electro-mechanical power clamp device, and a special scanner for automatic non-contact input of all wheel data to satisfy the demanding requirements of a professional garage.
- Featuring the patented optimisation mode to ensure smooth ride and satisfied customers.
- Once a complicated job the split weight procedure is now accomplished upon single key operation.
- Adhesive weights are placed safely and reliably in 12 h position using the patented geodata gauge arm and its special wheel weight clamp. Alternatively this job is made in 5 h position using the laser pointer.
- Intuitive 19“ TFT wide-screen monitor
- asanetwork capability



OPTIMISATION MODE

The patented Hofmann approach for smooth ride – more than just „matching“



LASER SCANNERS

Automatic non-contact acquisition of all wheel data

geodyna® accessories – the systematic up-grade

Trolley for 8 stud-hole flanges with shelf for bolts (flanges not included)

BW 2010, universal wheel lift with capacity up to 70 kg

Clamping plate for alloy rims (20 mm dia.)

Adhesive weight removing tool

Tapered centring ring

Motorcycle adaptor

Stud-hole flanges

Wheel guard geodyna 990-2

geodyna® wheel balancers

Features

geodyna	960	990-2	3900/S	4500-2/p	4550/p	7600/p	6300-2/p	6800-2/p	6900-2p
Virtual plane measurement **VPM**	•	•	•	•	•	•	•	•	•
Automatic input of diameter + offset – **2D SAPE**	•	•	•		•	•			
Manual input of rim width	•	•	•						
Smart Sonar for automatic input of rim width			3900S		•	•			
Automatic input of width + diameter + offset – **3D SAPE**				•			•	•	
Automatic input of all wheel data with non-contact scanners									•
19“ TFT wide-screen monitor			•			Touch screen		•	•
Gauge arm with wheel weight positioning system	•	•	•	•	•	•			
geodata gauge arm							•	•	•
ASS AutoStopSystem for gauge arm							•	•	•
easyWeight laser pointer					•	•	•	•	•
Behind-the-spokes weight placement **HSP**	•	•	•	•	•	•	•	•	•
easyAlu	•	•	•	•	•	•	•	•	•
QuickBal	•	•	•	•	•	•	•	•	•
Automatic braking after measurement	•	•	•	•	•	•	•	•	•
Automatic orientation of wheel after measurement				4500-2p	•	•	•	•	•
Pedal-operated main shaft lock	•	•	•	•	•	•	•	•	•
Multiple user capability		•		•	•		•	•	•
Optimisation **HOS**	•	•	•	•	•	•	•	•	•
Rim lighting system with mirror						•	•	•	•
Electro-mechanical power clamp device				4500-2p	4550p	7600p	6300-2p	6800-2p	•
Embedded PC technology								•	•
Compatible with asanetwork (optional)								•	•
Wheel guard	•	Option	•	•	•	•	•	•	•
Motor drive with constant measurment speed	•	•	•	•	•	•	•	•	•
Wheel clamping Cone adaptor/Power clamp	Quick nut*	•	Quick nut*	•	Quick nut*/ Power Clamp	Quick nut*/ Power Clamp	•	•	•

***** Quick nut in combination with integrated flange

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geodyna® wheel balancers

Technical data

geodyna		960	990-2	3900/S	4500-2/p
Rim centre bore diameter	mm	43 – 116	43 – 116	43 – 116	43 – 116
Measuring speed	rpm	‹ 100	‹ 100	200	200
Rim width	inch	3 – 20	1 – 20	1 – 20 / 3 – 15 with Smart Sonar	1 – 20
Rim diameter (auto.)	inch	8 – 25	8 – 25	8 – 25	8 – 25
Rim diameter (man.)	inch	10 – 30	8 – 30	8 – 30 / 14 – 26 with Smart Sonar	8 – 30
Max. wheel width	mm	500	530	508	530
Max. wheel diameter	mm	900	1117*	1050	950
Max. wheel weight	kg	70	70	70	70
Dimensions (W x D x H)	mm	1100x1050x1710	930x580x970	1012x781x1834	1285x1130x1765
Weight	kg	70	70	82	130 / 135
Power supply	V	230 V 1ph 50 – 60 Hz			

* 900 mm with optional wheel guard

geodyna		4550/p	7600/p	6300-2/p	6800-2/p	6900-2p
Rim centre bore diameter	mm	43 – 116	43 – 116	43 – 116	43 – 116	43 – 116
Measuring speed	rpm	200	200	200	200	200
Rim width	inch	1 – 20 / 3 – 15 with Smart Sonar	1 – 20 / 3 – 15 with Smart Sonar	1 – 20	1 – 20	3 – 20
Rim diameter (auto.)	inch	8 – 25	8 – 25	8 – 25	8 – 25	14 – 26
Rim diameter (man.)	inch	8 – 32 / 14 – 26 with Smart Sonar	8 – 32 / 14 – 26 with Smart Sonar	8 – 30	8 – 30	8 – 30
Max. wheel width	mm	508	508	530	530	530
Max. wheel diameter	mm	1050	1050	950	950	950
Max. wheel weight	kg	70	70	70	70	70
Dimensions (W x D x H)	mm	1266 x 850 x 1835	1381 x 877 x 1834	1365x910x1375	1365x910x1700	1320x915x1700
Weight	kg	140	140	148 / 153	153 / 158	160
Power supply	V	230 V 1ph 50 – 60 Hz				

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