HKM Messtechnik

Portable, factory calibrated wheel load scale

RW 9.1, RWF 9.1.0

RW 9.1

RWF 9.1.0

Nominal load 10,000 kg
Evaluation on PC
Via cable or radio transmission

Weighing of trucks, heavy-duty and special vehicles
Load determination of tractor units and trailers
Weighing of special vehicles with pneumatic tyres

Designed, developed and made in Germany

Our specialists for heavyweights: With the portable wheel load scales RW 9.1, RWF 9.1.0, you can weigh high wheel loads up to 10 t. The 60 cm wide weighing surface also easily accommodates twin wheels. The scales are ideally suited for weighing and checking the load distribution of heavy trucks and special vehicles, for example, in vehicle construction or in agriculture and forestry. Another field of application is the load inspection of heavy-duty vehicles.

Despite their size and high load capacity, the wheel load scales are very well suited for mobile use. At the site of operation, integrated wheels make it easier for you to align the weighing platform in front of the vehicle wheels. By combining several wheel load scales, it is also easy to set up powerful, portable systems for weighing of single-wheel and axle loads as well as the total weight of a vehicle.

For signal evaluation, connect the scales to a PC: This allows for up to 20 scales RW 9.1 to be networked via cable or up to eight scales RWF 9.1.0 to be networked via radio link. With the user-friendly HKM software, the measurement data can be viewed, stored and logged or exported into a spreadsheet. This provides you with a simple, efficient and convenient solution even for the most complex weighing tasks.

Further information can be found in our "Weighing operations with portable wheel load scales" brochure in the download area at www.hkm-messtechnik.com.

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Technical data

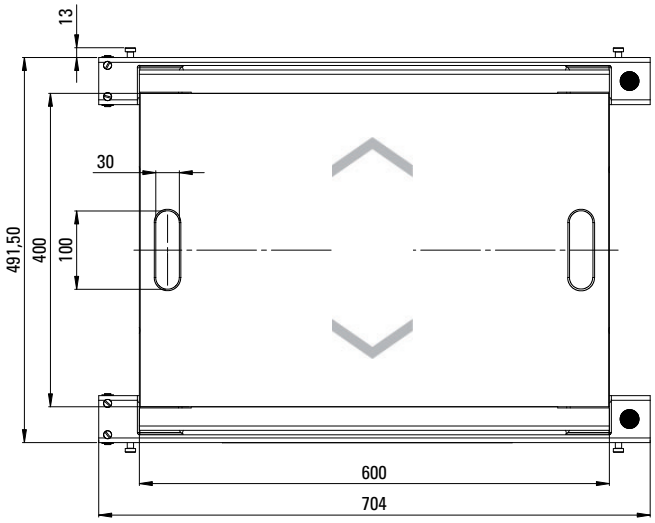
Type	RW 9.1 / 10000	RWF 9.1.0 / 10000
Nominal load	10,000 kg	
Data transmission	Cable	Radio, range 40 m
Signal evaluation	on PC (see accessories)	
Sensitivity / display increments*	5 kg	
Accuracy	±15 kg	
Calibration	Factory calibration by HKM-Messtechnik; 1 - 2 annual recalibration recommended	
Operating temperature	–10°C to +50°C	
Storage temperature	–30°C to +70°C	
Supply (see accessories)	12 V	integrated rechargeable batteries
Weight	28 kg	29.1 kg
Protection	IP 65 (when all connection sockets are occupied)	IP 65

*other sensitivities on request

Dimensions

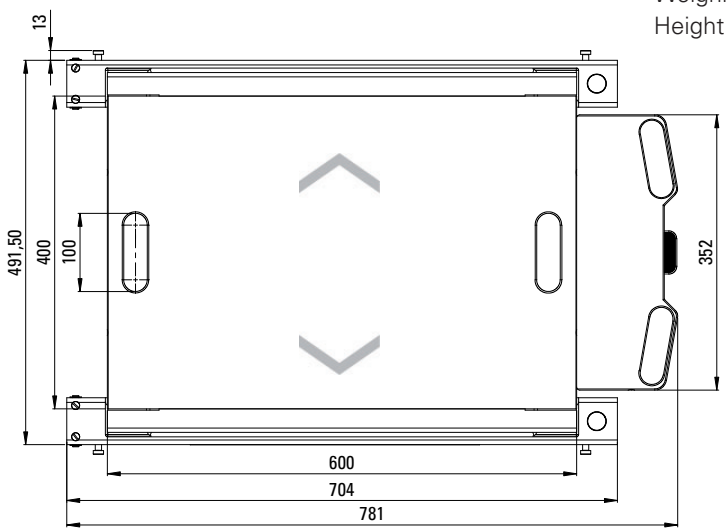
Measurements in mm

RW 9.1



Weighing area L 400 mm x W 600 mm
Height 45 mm

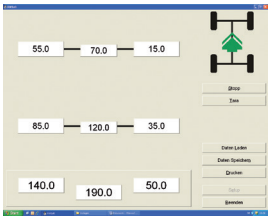
RWF 9.1.0
(integrated radio
transmitter module)



Overview of accessories for wheel load scales RW 9.1, RWF 9.1.0

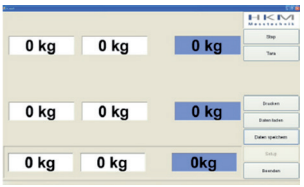
Product	Description	Figure	
Drive-on and drive-off ramps | recommended	L 259 mm x W 662 mm x H 45 mm		○
Height compensation plates	To compensate for the height of the wheel load scales. The height compensation plates replace missing wheel load scales so that all wheels are at the same height level at the same time. L 750 mm x W 600 mm x H 45 mm		○

Accessories for RW 9.1 with data transmission via cable

Product		Description	Figure	
Signal evaluation	RW-software 2.0 (evaluation for up to 20 wheel load scales)	Displays all weighing data Preparation of a weighing report › Specification of all loads › Vehicle data › Company data › Date/Time Export to Microsoft Excel Operating systems: Win XP, Vista, 7, 10		●
Power supply, 12 V		via 110 – 240V/12VDC, 5 A plug-in power supply		◉
		via 12 VDC automobile plug		
1x connection cable per wheel load scale				●
1x dummy plug per system				●
Converter box with USB connection cable				●

● requirement | ◉ requirement / selection | ○ optionally available

Accessories for RWF 9.1.0 with data transmission via radio

Product		Description	Figure	
Signal evaluation	RW-software 2.0 (evaluation for up to 8 wheel load scales)	Displays all weighing data Preparation of a weighing report › Specification of all loads › Vehicle data › Company data › Date/Time Export to Microsoft Excel Operating systems: Win XP, Vista, 7, 10		●
Power supply		4x 1.2V NiMH batteries/2,000 mAh max., charging via plug-in charger power supply for RFT 5.0, 110 – 240V/12VDC		●
Radio receiver: RFR 3.0, 1x per system		USB port		●

● requirement | ◉ requirement / selection | ○ optionally available

Application