Portable, verified wheel load scale
RWA 8.1.0 E

Verified according to DIN EN 45 501 accuracy class ⒲
Nominal load 500 to 8,000 kg
Evaluation directly at the weighing platform

Commercial and official weighing operations
Weighing of cars, trucks and vans
Weighing of campers and caravans
Support load determination of cranes

Designed, developed and made in Germany

Our all-rounder for precise and safe weighing operations: With their weighing surface of 40 x 38 cm and their broadband load range, the portable, verified wheel load scales RWA 8.1.0 E are particularly suitable for weighing and checking load distribution in commercial and official operations. Other fields of application are the vehicle registration of new and rebuilt vehicles weight as well as load inspections in road traffic.

Due to its flat and compact design, the RWA 8.1.0 E is easy to transport and can be put into operation by one person on site. The wheel load scales can be used on any adequately paved and level surface; an integrated tilt sensor checks the gradient at the measuring point.

Thanks to the rechargeable battery supply, the portable scales are completely independent and can be used very flexibly. They have an integrated control and display module so that you can read the measuring result directly on the weighing platform. For applications not subject to official verification, two scales can optionally be connected by cable. The wheel loads of the axle are then displayed as a total – allowing you to determine axle loads very efficiently and conveniently.

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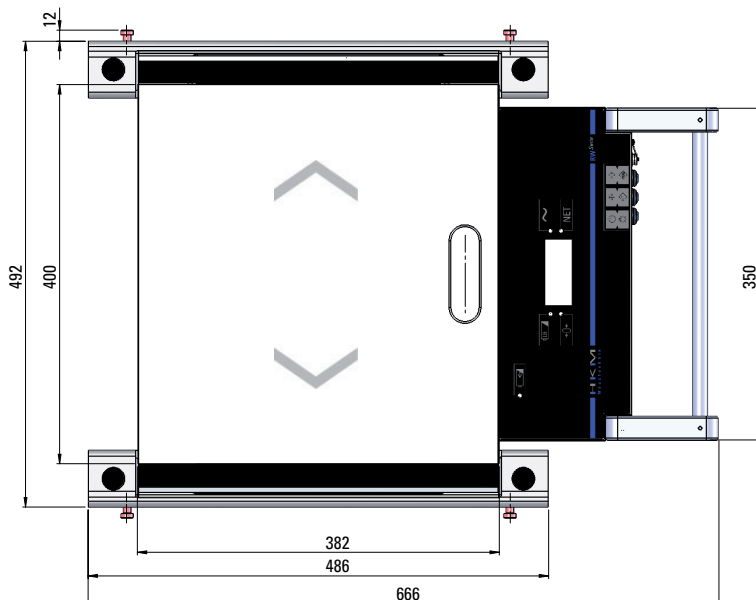
Technical data

Type	RWA 8.1.0 E / 500	RWA 8.1.0 E / 1000	RWA 8.1.0 E / 2000	RWA 8.1.0 E / 8000
Maximum load = Nominal load [kg]	500	1,000	2,000	8,000
Minimum load [kg]	5	10	20	100
Signal evaluation	Control and display module			
Increment / Division e * [kg]	0.5	1	2	10
Accuracy	± 0.25 kg up to 25 kg ± 0.5 kg up to 100 kg ± 0.75 kg over 100 kg	± 0.5 kg up to 50 kg ± 1 kg up to 200 kg ± 1.5 kg over 200 kg	± 1 kg up to 100 kg ± 2 kg up to 400 kg ± 3 kg over 400 kg	±5 kg up to 500 kg ±10 kg up to 2,000 kg ±15 kg over 2,000 kg
Official verification	Official verification according to DIN EN 45 501 accuracy class (IIII); annual subsequent verification required			
Operating temperature	−10°C to +40°C			
Storage temperature	−30°C to +70°C			
Supply	Integrated rechargeable batteries, see accessories			
Weight [kg]	17.5	17.5	17.5	20.0
Protection	IP 65			

* higher increment/resolution possible on request for applications not subject to official verification

Dimensions

Measurements in mm

Weighing area L 400 mm x W 382 mm
Height 40 mm

Features of the control and display module

» 8-digit LCD display
» Display of load in kg or lbs
» 3 buttons for operation
» Menu-guided settings and inquiries
» Status LEDs for
  › low battery indicator
  › zero point indicator
  › stability indicator
  › net indicator
  › battery charging indicator
» no interface to printer or PC

Optionen

» Non-verified scale RWA 8.1.0: factory calibrated, ISO or DAkkS calibrated for applications not subject to official verification
  › Connection of two scales via cable
  › Automatic adding of the wheel loads of two scales to axle load

Overview of accessories for wheel load scales RWA 8.1.0 E

Product	Description	Figure	
Drive-on and drive-off ramps | recommended	L 180 mm x W 460 mm x H 40 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 500 mm x W 500 mm x H 40 mm		○
Power supply	4x 1.2V NiMH batteries/2,000 mAh max., charging via 12V/1A plug-in charger power supply		●
Connection cable	To connect two scales to form an axle load scale for applications not subject to official verification.		○

● requirement | ◉ requirement / selection | ○ optionally available

Application