

Description

The **AR-KSD** type static & in-motion truck scale is the ideal solution on sites with heavy traffic where seamless in-motion weighing and high accuracy static weighing of trucks are both necessary.

The load receptor of the **AR-KSD** scale is made of steel or concrete in a size and layout based on the customer's need. The driving surface of the scale can be above the ground or in the bridge. The scale can be equipped with analog or digital shear-beam (SB) or rocker column (RC) load cells. Scope of delivery may include a prefabricated base plate with or without ramp, foundation drawing and technical management in case of customer installation.

Static weighing of the wagons on the scale is initiated by the scale operator when the scale is in standstill state. The in-motion weighing procedure is really convenient, since trucks passing by the scale in the 0 – 20 km/h speed range are measured automatically without user interaction and also the weighing results are provided immediately. The weighing results are identified according to the ISO 9000 quality management systems.

The scale is shipped with **AR-D8203** type weighing indicator that provides a direct network interface to the **AR-UNIDIS** process visualization and the **AR-UNIDAT** weighing management software, to the **ARDIN** integrated systems, to transfer the stored weighing data and the log files and to the VPN-based remote access service (RAS).

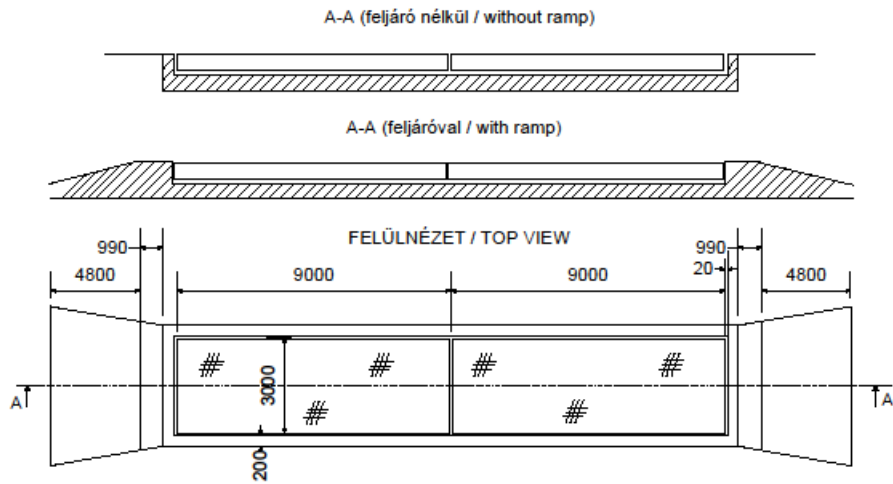
Principle of Operation

The **AR-KSD** type scale records the signals coming from the load cells and evaluates the digital data; provides axle and wheel load, the standstill weight of the truck, the moving direction and speed, recognizes the truck type and qualifies the weighing.

Advantages

- Weighing of solid, powder or liquid payload
- One-step in-motion weighing in the 0-20 km/h speed range according to the OIML R134 standard
- Legal for trade accuracy in static mode according to the MSZ EN 45501 and accuracy class III
- In-motion axle-/wheel load
- Quick return of investment: multiple functions in one (static, in-motion scale and axle weigher)

Layout and dimensions (mm):



Méreték mm-ben.

Technical Specification:

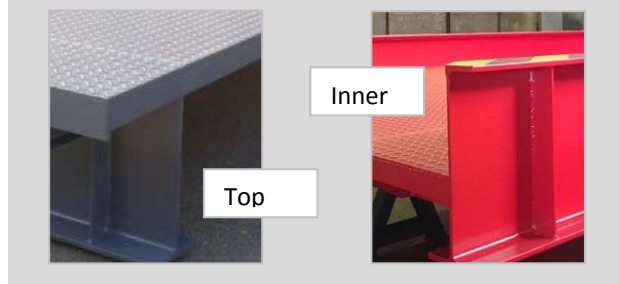
Weighing capacity	40 t, 60 t, 80 t
Division	static 20/50 kg, in-motion 100 kg
Accuracy	static according to MSZ EN 45501, acc. class III in-motion according to OIML R134
	± 0,5%, between 3-5 km/h, ± 1%, between 5-18 km/h
Speed range	2-20 km/h, max. ± 15 % speed variation
Driving surface layout	on the bridge (Top) on in the bridge (Inner)
Driving surface type	flat or ribbed
Payload	solid, powder or liquid
Operating modes	static / in-motion, aut. operating mode change
Power supply	230V, +10% -15%, 50 Hz, cca. 300 VA
Operating temperature	- 5 °C / + 30 °C operational for indicator - 25 °C / + 50 °C operational for scale
Optional accessories	surveillance, entry & traffic control optical or RF truck identification

Available layouts:

Code	Length [m]	Cells [pcs]
10	10	4
6/6	2x6=12	6
9/9	2x9=18	6
6/6/6	3x6=18	8
6/6/6/6	4x6=24	10

Width: 3 m, 4 m or 4,5 m

Driving Surface Layout:



Subject to change without notice.