



KLA Dynamic Overhead Track Scale

Robust dynamic overhead track scale in galvanised steel with a load range from 10 to 300 kg.

The KLA Dynamic Overhead Track Scale is designed for demanding production environments in food production companies. The dynamic overhead track scale in its standard version comes with a weighing range of 500, 650 or 800 mm, but the scale can of course be adapted to customer specific requirements. The KLA Dynamic Overhead Track Scale is approved for weighing and settlement and has a capacity of up to 1000 units per hour.

Facts KLA Dynamic Overhead Track Scale

- Robust overhead track scale in galvanised steel
- Lengths of 500, 650, 800 mm or customised
- Load range from 10 to 300 kg
- Can be built with Mettler Toledo load cells
- Easy to mount, install and maintain
- Galvanised or stainless steel weighing range
- Weighing range of 1.5" or 2" pipe
- Can be adapted to almost all conveyor systems
- Approved for weighing and settlement

Full-line supplier for the food industry

DK EL specialises in dynamic overhead track scales for food production companies. We can supply dynamic overhead track scales as a stand-alone product and we can integrate it into your existing packing facility or design and deliver a complete new packaging system.

Do you need a robust dynamic overhead track scale?

At DK EL, we are working with all phases from design to final testing and commissioning. With one full-line supplier you get a reliable dynamic overhead track scale, which is 100 percent adapted to your needs and production environment.

Technical specifications

Length	500, 650, 800 mm or customised
Load range	From 10 to 300 kg.
Accuracy/division	From 100 g
Speed	Max. speed 280 mm/sec.
Motor	0,37 kW
Load cells	Can be built with Mettler Toledo load cells
Material	Galvanised steel
Weighing range	1.5" or 2" pipe
Weighing range material	Stainless
Suspension bracket	Comes with mounting bracket for various conveyor systems
Approval	Approved for weighing and settlement of up to 300 kg
Type approval	O200-MID-03967 Revision 1



System description KLA Dynamic Overhead Track Scale

The scale unit is a specially designed piece of equipment for dynamic weighing of loads from 10 to 300 kg of mostly pork and other meat hung on conveyor hooks.

The equipment consists of a 500, 650 or 800 mm long hung suspended overhead track scale with a weight instrument. The load cells on the scale are connected to a Mettler Toledo instrument with analogue interface and a Dyn sys application for dynamic weighing and an Alibi module. Memory for 675,500 weighings. This means that the scale can be approved for automatic weighing. The instrument can send the weighing result via RS232 comport, profibus to PLC or Ethernet TCP/IP.

Maximum speed on the scale for approved weighing

- A weighing range of 650 mm. 10 m/min. Equivalent to 800 pieces with a division of 800 mm per hour.
- A weighing range of 800 mm. 16 m/min. Equivalent to 1,000 pieces with a division of 1,000 mm per hour.

The current application version for approval for automatic weighing

- Ip61-0-0104 / 30004 v006 16.04.2007
- System designation on the scale and IND690: O200-MID-03967 Revision 1. Force Certification

Functional description

- A suspending tie bar with a sample is transferred to the scale weighing range by means of a conveyor.
- The scale weighing range is equipped with a chain, which is driven by a gear motor.
- A frequency converter controls the gear motor that makes sure that the weighing range chain moves in a higher speed than the conveyor system.
- In order to ensure proper weighing, the conveyor system finger must not touch the suspending tie bar.
- At the end of the weighing range, the hook is lifted off the chain and conveyor.
- The system again takes over the transport of the suspending tie bar.