

C12-40 and C12-100 StandardLine

Dependable Accuracy



Reliable Weighing Results

The precision-made METTLER TOLEDO load cell with OIML R60 C3 approval ensures proven reliable and accurate weighing.



Robust Construction for Heavy Loads

Rugged construction ensures dependable and accurate weighing of heavy loads. A very economical and efficient weighing solution, suitable for all dry production environments.



Systematic Safety Design

Hazard notifications are placed according to comprehensive strict risk assignment. A guard covers each rejection device. An emergency stop button is included, to cut the power supply and rapidly decrease the pneumatic pressure.



Global Service Support

An extensive global service network fully supports cross-border contracts and ensures timely support, availability, and rapid delivery of spare parts. This reduces downtime and keeps production running smoothly.



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Reliability and Safety built in

Both the C12-40 StandardLine and the C12-100 StandardLine are optimum solutions for efficient and reliable heavy load weighing applications, with a weighing range of up to 40 kg or 100 kg respectively, and high weighing accuracy. Various speed ranges are available, with a maximum value of 80 m/minute or 65 m/minute, respectively.

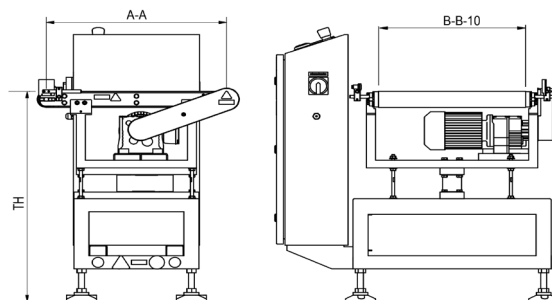
The dependable accuracy of these checkweighers allows their use in various industrial production environments. They excel in dry, demanding production conditions and deliver 100 percent weight control of single high-load products. Systems are operated from a multilingual touchscreen positioned in front of the conveyor for maximum operator safety.

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General Technical Data

Weighing technology	METTLER TOLEDO strain gauge load cell
Weighing terminal (HMI)	6.5" high-contrast color touchscreen display with emergency stop switch, three-level user access profiles with password protection, six selectable languages (English, Simplified Chinese, Traditional Chinese, Vietnamese, Korean, Russian) for the dialog/prompts; display of all key up-to-date weight data, production and configuration screens; real-time data capture and distribution.
Conveyor belt speed	Continuously variable (see below)



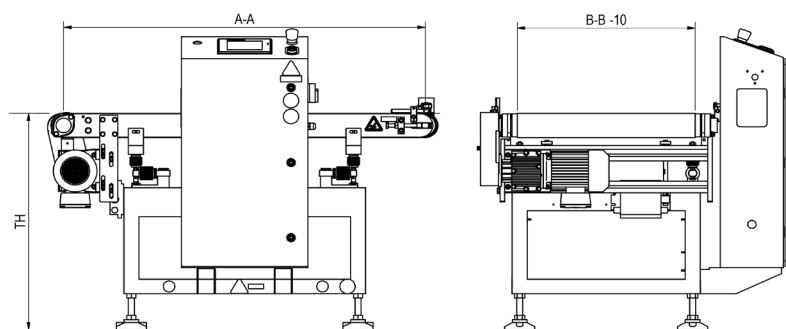
Schematic C12-40 – typical dimensions in mm (A-A, B-B vary depending on the conveyor size)

Options and Accessories – Mechanical/Electromechanical

- Guide rails
- Infeed conveyor, outfeed conveyor, roller path
- Pusher for sorting/rejecting (C12-40 StandardLine only)

Options and Accessories – Electronic/Software

- Fieldbus interface (incl. Profibus DP, Ethernet/IP)
- Interface to the METTLER TOLEDO SQC system FreeWeigh.Net™ or ProdX™ data management system – for remote access and enhanced insight in production processes
- Weight data interface: RS232, Ethernet
- USB socket for storage of individual weight data
- Statistics program (with PrintStick or ticket printer)
- Reject verification or reject signal output
- Pressure monitoring device



Schematic C12-100 – typical dimensions in mm (A-A, B-B vary depending on the conveyor size)

Other options and accessories available

Technical Details	C12-40 StandardLine	C12-100 StandardLine
Weighing range	up to 40 kg	up to 100 kg
Accuracy*	from ± 5 g to ± 20 g	from ± 30 g
Max. conveyor speed (m/minute)	up to 45 or up to 80	65
Weighing conveyor A-A x B-B** (mm)	600, 800, 1000 x 400, 500	1200 x 600
Line height (TH), other on enquiry	600 - 1200 mm (adjustable ± 40 mm)	600 - 1200 mm (adjustable ± 40 mm)
Temperature range (°C)	0 to 40	0 to 40
Compressed air supply	approx. 6 bars (87 p.s.i.)	approx. 6 bars (87 p.s.i.)
Noise level, standard system at full speed***	less than 70 dBA at 1 m height and 1 m distance	less than 70 dBA at 1 m height and 1 m distance
Product (article) setup memory	for up to 100 products	for up to 100 products
Classification	in 3 weight zones	in 3 weight zones
Zero reset	automatic or manual	automatic or manual
Ingress protection rating	IP54 or optional IP65 (water protection design)	IP54
Standard surface finish	powder coated	powder coated
Electrical (with lockable mains disconnect)	Single-phase 230 VAC or three-phase 380 - 400 VAC, 50/60 Hz, <1000 VA	

*within the limits of the official margin of error, depending on the weight, dimensions and transport behavior of the product to be weighed

**A-A = distance between roller centers (axes), B-B = belt conveyor width, in mm

***certain conveyor and sorting/rejecting device options may increase the system noise level

METTLER TOLEDO Service with global reach and tailored care solutions



Mettler-Toledo Group

Product Inspection Division

Local contact: www.mt.com/contacts

Subject to technical changes. Images are examples only.

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232 EN

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