

TLW360 Dynamic Scale Weighing with Full PLC Integration



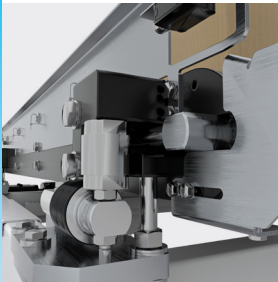
Preconfigured Systems

Range of preconfigured systems designed for larger products weighing up to 80 kg. These systems provide scalable accuracy and offer a variety of conveyor sizes to ensure optimal integration into your production line.



Boost Scale Performance

The TLW360 indicator boosts productivity and uptime with ultra-fast processing, seamless PLC and Distributed Control Systems (DCS) connectivity, condition monitoring, and Smart5™ alarms for quick issue response.



Effortless Maintenance and Service

The easy and seamless belt exchange minimizes costly downtime. Additionally, the motor position can be conveniently selected to ensure easy access for service and maintenance of the entire machine after installation.



Make Compliance Worry-Free

The TLW360 holds certifications for international and local standards, as well as Weights and Measures Certifications. This ensures streamlined procurement, faster implementation, and quality assurance for your peace of mind.



Global Service Support

Benefit from our global network of service experts who provide fast remote and on-site support. With our comprehensive service offering, we guarantee regulatory compliance, high performance, and maximum uptime for your equipment throughout its entire lifecycle.



Simple Parcel Weighing High Performance, Great Connectivity

The TLW360 provides a cost-effective solution for reliable and accurate parcel weighing needs. It enables easy and efficient management of weighing applications, resulting in higher throughput along with savings in time and materials.

Efficient Operation

Designed to meet the highest system integration requirements, making it suitable for any parcel handling warehouse, distribution line, or sorting system.

Range of Connectivity and PLC Options

Multiple communication interfaces and protocols based on Fieldbus technology enable efficient data exchange, supporting centralized system operation and seamless integration with the PLC.

Robust and Versatile System Design

State-of-the-art loadcell technology delivers exceptional weighing accuracy even at high speeds. Available with a wide range of options and configurations, it can be tailored to meet various requirements.

METTLER TOLEDO

Technical Data

TLW360 Dynamic Scale

The TLW360 systems excel in exceptional integration and reliability, making them the ideal choice whenever a cost-effective, high-performance, dynamic weighing system is required. With a variety of automation interfaces available, these systems offer a seamless solution for your needs.



General Technical Data

Approval Number	11-022A6 (NTEP), R51_2006-A-DE1-25.01 (OIML), DE-17-MI006-PTB004 (MID) Weights & Measures design approval for official verification (MID certifiable).
Weighing Technology	Strain gauge technology, robust and reliable, scalable performance according to application requirements.
Integrated Weighing Terminal (HMI)	Equipped with the IND360 T&L indicator, the TLW360 provides precise measurements and status information to your control system. This empowers you to efficiently manage weighing applications, increase throughput, and save time and materials. Additionally, the indicator offers features such as Weights and Measures information, tare weight functionality, real-time data capture, and distribution, enhancing the overall usability of the system.

Features and Benefits

Advanced filter technology stabilizes results in poor weighing conditions.

Full range of OIML Weights and Measures approvals guarantee data quality for invoicing and internal processes

Multilingual weighing terminal for operator efficiency

Digital display with weighing unit, operation and network status LEDs, plus a web interface for service and monitoring.

Automatic detection of replacement weigh cells supports proactive maintenance and maximizes uptime.

Smart5™ Alerts and Condition Monitoring providing alarms based on NAMUR NE107.

Full PLC integration covering automation Buses: PROFINET, Profibus DP, EtherNet/IP, EtherCAT, CC-Link IE Field Basic, Modbus TCP.

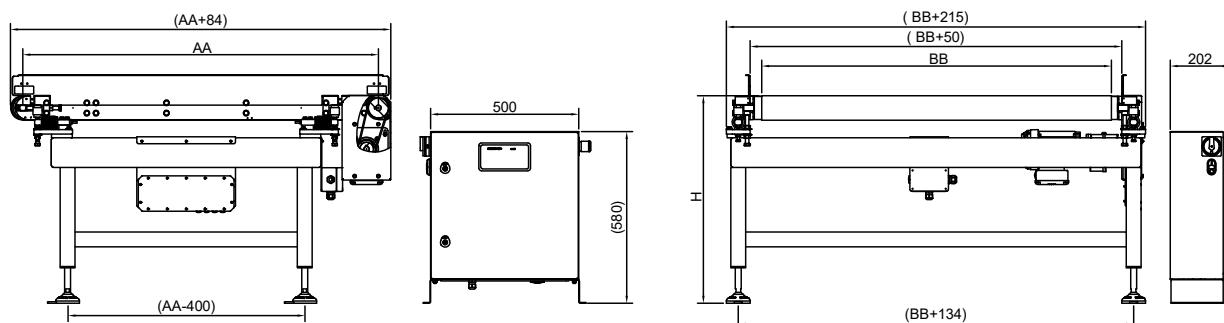
Additional Weighing Data Interface based on Serial (RS232, RS422, RS485), TCP/IP.

Several Service Logs: Alibi, error logs, maintenance logs, and change logs.

Robust side wall design ensures precise guidance for parcels, effectively preventing any risk of falling off the system.

Technical Data Continued TLW360 Dynamic Scale

TLW360 LP (Large Parcel)



Specifications	TLW360 LP (Large Parcel)							
Item Number	31009888							
Region Availability	AP (including China)							
Max Capacity	40 kg				80 kg			
Approved Accuracy	10 g	20 g	50 g	20 g		50 g		
Max. Conveyor Speed	120 m/min							
Throughput*	Max. 7,500 pcs/h							
Conveyor Size**	AA \ BB'	500 mm	600 mm	700 mm	800 mm	900 mm	1000 mm	1200 mm
	800 mm	•						
	1000 mm		•	•	•			
	1200 mm					•	•	
	1500 mm							•
Line Heights	600, 700, 800, 900 (± 50) mm							
Roller Diameter	80 mm							
HMI	IND360							
Motor Power Supply	230 / 380 VAC, 50 / 60 Hz							
Power Consumption	~1 kw							
Working Temperature	0 °C to 40 °C							

* Throughput will vary depending on parcel length and gapping.

** Other sizes available on request and can be ordered by below ETO number.

† If BB ≥ 800 mm, the actual belt width is (BB-20) mm.

Item Number	Description
31009883	Dynamic Scale ETO TLW360 LP NLFT*
31009884	Dynamic Scale ETO TLW360 LP LFT*

* NLFT (Non-legal-for-trade), LFT (Legal-for-trade)

www.mt.com/TLW360

For more information

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