

# Static Dimensioning



## **TLD250 Dimensioning System**

Durable, Cost-Effective Solution

Flexible Connectivity

Easy Setup and Operation

Legal-for-Trade Compliance



**User-Friendly Static Dimensioner**  
Realize a Faster Return on Investment

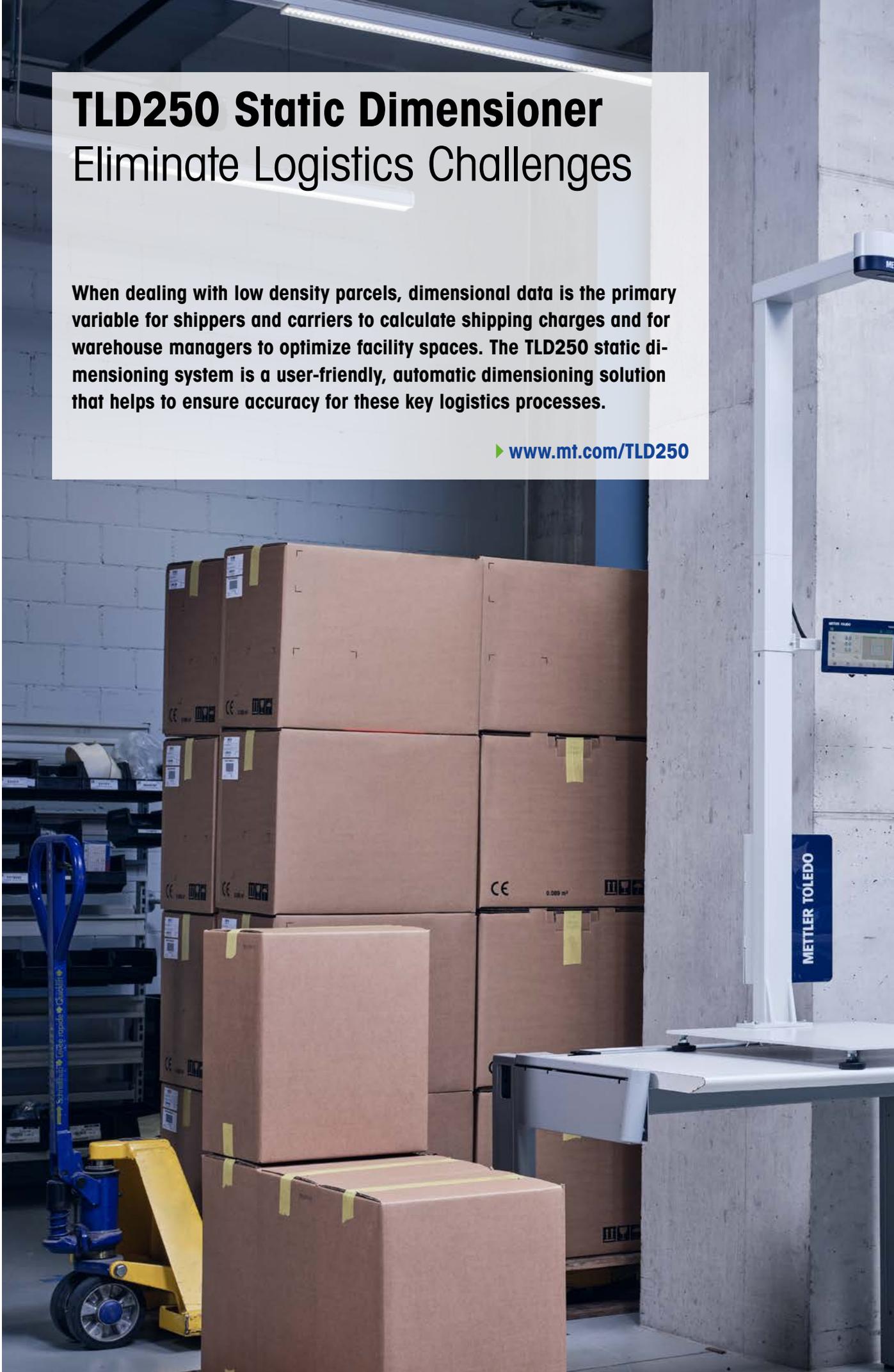
**METTLER TOLEDO**

# TLD250 Static Dimensioner

## Eliminate Logistics Challenges

When dealing with low density parcels, dimensional data is the primary variable for shippers and carriers to calculate shipping charges and for warehouse managers to optimize facility spaces. The TLD250 static dimensioning system is a user-friendly, automatic dimensioning solution that helps to ensure accuracy for these key logistics processes.

► [www.mt.com/TLD250](http://www.mt.com/TLD250)



## The TLD250 solves your dimensioning challenges:



### Challenge:

Manually measuring dimensions is time consuming and often inaccurate, especially when dealing with irregular or non-cuboidal objects. This leads to missed delivery schedules, incorrect shipping costs or poor warehouse space management.

### Solution:

**Boost productivity without sacrificing accuracy**



### Challenge:

Manual entry of measurement data is not only slow but often causes errors. Automated data integration will resolve this, but added hardware and high development costs are often required to ensure compatibility with existing systems.

### Solution:

**Simplify integration with flexible connectivity**



### Challenge:

Setup and maintenance of a dimensioning system often involves complex calibration processes and PC-based software tools. Operation can also be complicated if an operator is not trained accordingly.

### Solution:

**Streamline setup, operation and maintenance**



### Challenge:

An automatic dimensioning system can be costly and complex to implement and maintain. The investment may be hard to justify given lower shipping volumes and throughput in small to mid-sized operations.

### Solution:

**Achieve instant cost savings for faster ROI**

# Simple, Efficient Dimensioning Designed to Fit Where You Need It

The TLD250 is designed to automatically dimension parcels and packages in post offices, sorting facilities, distribution centers and warehouses. With only three main components, including the display, sensor and electronics modules, the TLD250 features an adaptable design and can be placed on a desk or mounted on a wall, enabling convenient ergonomic positioning to maximize productivity.

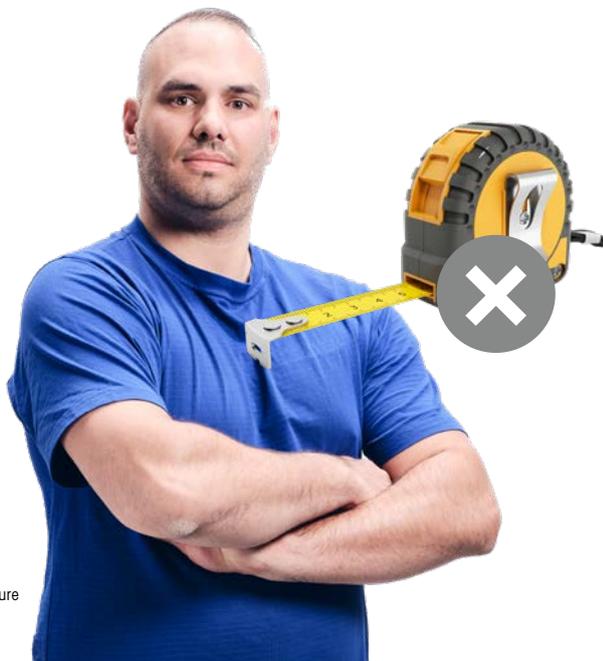
## Rugged and durable design

The mild steel stand and base plate protect your investment from damage over time, even in the most demanding environments.



“ We no longer need to measure the old-fashioned way. TLD250 is much faster and more accurate. ”

Operations Manager





### Traceable results in seconds

The vision-based sensor with intelligent algorithms provides accurate measurements in seconds and offers photo proof for claims processing, even for non-cuboidal parcels.



### Intuitive and easy operation

The 7" touchscreen color display shows the live image, status alerts and measurement results for clear visualization to improve operational efficiency.



### Simple setup and maintenance

The integrated Setup Wizard and web interface provide easy accessibility to setup configuration and diagnostics without the need for PC software.



### Flexible connectivity

Easily integrate with host systems using RS-232, USB Keyboard Wedge, HIDPOS, Ethernet or Bluetooth for automatic error-free data entry, saving time and costs on software integration.

## Build your complete shipping solution

Simply combine the TLD250 with a scale and barcode reader to implement a cost-effective dimension, weight and ID shipping solution.

► [www.mt.com/IND-BC-Scale](http://www.mt.com/IND-BC-Scale)



# Technical Specifications

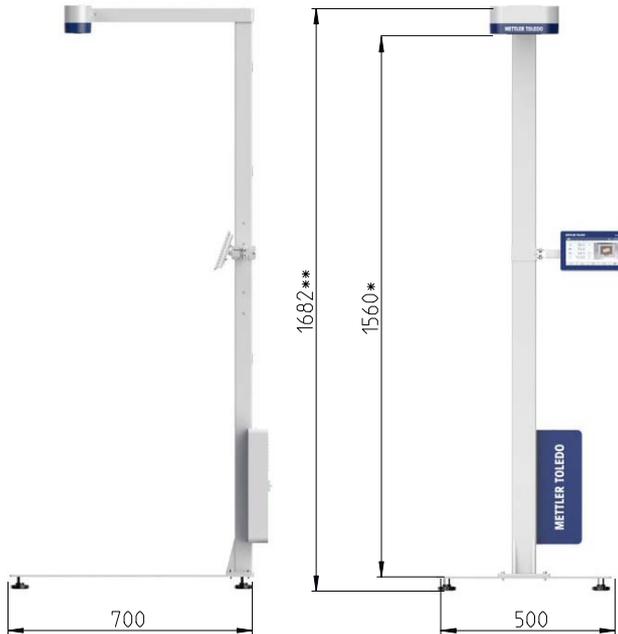
## TLD250

Product Model	TLD250-136	TLD250-156	TLD250-176
Accuracy Cuboidal Object	0.5 cm (0.2 in)	0.5 cm (0.2 in)	1.0 cm (0.5 in)
Accuracy Non-Cuboidal Object	1.0 cm (0.5 in)	1.0 cm (0.5 in)	2.0 cm (1.0 in)
Maximum object size (L x W x H)	100 x 60 x 40 cm (39 x 24 x 16 in)	100 x 60 x 60 cm (39 x 24 x 24 in)	100 x 60 x 80 cm (39 x 24 x 32 in)
Minimum object size (L x W x H)	6 x 6 x 6 cm (2.4 x 2.4 x 2.4 in)	6 x 6 x 6 cm (2.4 x 2.4 x 2.4 in)	12 x 12 x 12 cm (6 x 6 x 6 in)
<b>Dimensions and weight</b>			
Physical dimensions (LxWxH)	70 x 50 x 148.2 cm (27.6 x 19.7 x 58.3 in)	70 x 50 x 168.2 cm (27.6 x 19.7 x 66.2 in)	70 x 50 x 188.2 cm (27.6 x 19.7 x 74.1 in)
Net weight	Approx. 29.5 kg (65 lb)	Approx. 31 kg (68 lb)	Approx. 32.3 kg (71 lb)
<b>Object requirements</b>			
Object shape	Cuboidal and non-cuboidal objects (cylinder, donut, polygon, stacked or combined cuboidal objects)		
Object surface	All opaque packaging. Surfaces that are reflective, shiny and glossy chrome and/or black, covered with shrink/bubble wrap or polystyrene may cause performance deviations		
<b>Measurement Time</b>			
Time	1- 2 seconds		
<b>Display</b>			
Display / keypad	O271 - 2.8" MonoChrome graphic display O272 - 7" color touchscreen display		
Languages	English, Chinese*, Portuguese*, Germany*, French*, Spanish*		
<b>Power</b>			
Power supply	Universal 100-240 VAC, external power supply		
Input voltage / power consumption	12 VDC / 5A / 60 W		
<b>Interface connectivity</b>			
Connectors	Standard: 1 x RS232, 1 x USB, 1 x Ethernet RJ45 Optional: Bluetooth (Classic/LE)		
Host protocols	CSN810, MT-SICS, Proto-U, USB Keyboard Wedge, USB HIDPOS		
<b>Operating environment</b>			
Background lighting	Avoid direct sunlight and bright overhead lighting during measurement.		
Temperature / humidity	0° to 35°C (32° to 95°F) / Non-condensing		
<b>Approval</b>			
Approval	NTEP, MC Cuboidals*, OIML*, MID*		
<b>Others</b>			
Scale interface	USB (HIDPOS)		
Barcode reader interface	USB		
Secondary remote display (Optional)	O271-Monochrome graphic display or O272-7" color touchscreen display		
Mechanical environment class	M1		
Electromagnetic class	E1		

\*Pending

# Technical Drawings

## TLD250



Type	Camera height*	Physical height**
TLD250-136	1360 mm	1482 mm
TLD250-156	1560 mm	1682 mm
TLD250-176	1760 mm	1882 mm

# Spare Parts and Accessories

## TLD250

Order number	Description
<b>Extension Post</b>	
30714982	Extension post, 40 cm, for TLD250-176
<b>Camera Kit</b>	
30714974	Camera Module Kit
<b>Electronic Module Kit</b>	
30714975	Electronics Module Kit
<b>Scale Platter</b>	
30499003	Platter Kit - BC30/60 SS Black
30714984	Platter Kit – BC150 SS Black (400x500mm)
<b>Display Module</b>	
30714976	0272 display module - Color Touch Display
30125729	0271 display module – Mono LCD Display Wall Mount
<b>Calibration box</b>	
30667982	Calibration box, 450x300x120 mm, fit for TLD250-136 and TLD25-156
30668030	Calibration box, 450x300x300 mm, fit for all TLD250 models
<b>Power Supply and Cables</b>	
30668034	Power supply, 60W,12VDC, spare
71210406	Power Cord Type-B 2.0m US CA MX JP
64057361	Cable USB-A to USB-B, 3m,spare
30668031	0272 display module USB cable, 1.5 m, spare
30668032	0272 display module HDMI cable, 1.5 m, spare

## Explore Our Service Solutions

### Tailored to Fit Your Equipment Needs

METTLER TOLEDO Service delivers resources to enhance your efficiency, performance and productivity with service packages that fit your needs, maximize your equipment lifetime, and protect your dimensioning solution investment.

► [www.mt.com/IND-Service](http://www.mt.com/IND-Service)



#### Professional Installation

Our experienced technicians will assist you to properly install and integrate your dimensioning equipment into your process.



#### Preventive Maintenance

Plans include inspection, functional testing and calibration, as well as proactive replacement of worn parts.



#### Compliance

Our professional services come complete with traceable and audit-proof certificates that are compliant with local and global regulatory requirements.



#### Support and Repair

METTLER TOLEDO will repair your equipment either on-site or at our depot facilities to get you up and running as soon as possible.

# Comprehensive Product Portfolio

## Improve Static or Dynamic Shipping Operations



### BC Postal and Shipping Scale

This rugged and cost-saving solution, with up to 3x3000e multi-range or multi-interval weighing, accurately measures a wide range of mail or parcels on a single scale.

► [www.mt.com/IND-BC-Scale](http://www.mt.com/IND-BC-Scale)



### TLX MultiCapture

With a throughput of 6000 parcels per hour, this dynamic dimensioning, weighing and barcode identification combination solution meets the high speed requirements to maximize shipping and tracking operations.

► [www.mt.com/TLX](http://www.mt.com/TLX)



### TLD870 Static Pallet Dimensioning

For large objects and pallets, the TLD870 offers best-in-class dimensioning performance with a 2-second measuring time for efficient shipment revenue recovery, costing, invoicing and load planning.

► [www.mt.com/TLD870](http://www.mt.com/TLD870)

[www.mt.com/TLD250](http://www.mt.com/TLD250)

For more information

#### METTLER TOLEDO Group

Industrial Division

Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)



Subject to technical changes

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