Choose Your Terminal
Build the Perfect Scale

When paired with the right terminal and connectivity option, PBA757 weighing platforms are excellent stand-alone solutions for many industries and applications.

Bench/Portable Terminals
Intuitive menus and robust design make these easy-to-use terminals a natural choice for weighing tasks, such as counting, checkweighing and totalizing.

Windows based Terminals
The intelligent IND890 PC weigh scale terminals support Windows-based applications, enabling development of custom interfaces to meet a multitude of weighing needs.

Process Terminals
Designed for performance and versatility, this terminal is easy to integrate into industrial weighing systems and processes.

For more Terminal informations visit:
▶ **www.mt.com/terminal**

Weighing Platform

PBA757

For Dynamic & Static Applications

Reliable in Harsh Conditions

Accurate and Fast Results

Rigid and Rugged Construction

www.mt.com/PBA757
For more information

Precise Weighing, Great Value
For Manufacturing and Logistic Applications

METTLER TOLEDO

Designed for Dynamic and Static Use
Highly Accurate and Rigid

The robust and reliable lever system grants excellent corner- and side-load stability, which makes this platform an excellent solution for many dynamic and static conveyor applications. Furthermore, it is the best choice for a multitude of counting and simple weighing tasks. The approvable readability is as high as 6,000e. In non-legal-for-trade applications, stable resolutions of up to 60,000d can be achieved.

As indicated below: The unique mechanical design offers many benefits, particularly in dynamic applications.

Weighing in the Center
Thanks to the specially designed construction, accurate results can be achieved not only in the middle of the platform, but also at every other load position.

Weighing on the Side
Fast and accurate dynamic weighing results can be achieved, thanks to the special mechanical structure, which accurately measures loads placed on the side of the platform up to maximum load.

Weighing on the Corners
Wether installed in an automated weighing system, or used with a roller conveyor, the platform does not bend – even when the load is placed on the corner of the platform. The weighing process is very stable and disruptive self-vibrations do not occur.

Fast Dynamic Weighing
The unique mechanical design of the PBA757 platform series allows for stable weighing results even in fast dynamic conveyor applications. It facilitates high throughput and faster processes.

Accurate Piece Counting
This scale allows you to count exact quantities of large and small parts. Verify incoming goods, keep track of stock movements and monitor production output.

Check Package Completeness
We ensure that you can keep your quality promise. Accurately fill customer orders with exactly the right number of pieces, on time and with the required labels.

Functional Design
Accurate Results in Tough Environments

With this unique design, our robust platform series is built to withstand error-causing outside influences, such as vibrations, heavy impacts and temperature changes. That makes it a reliable solution for static and dynamic weighing applications when fast and accurate weighing results matter.

Sophisticated mechanical protection for reliable weighing
These stainless steel platforms feature different 4 shock-absorbing systems to eliminate the negative influence of static and dynamic impacts on the weighing result.

Reliable Performance
The robust and highly reliable lever system facilitates excellent corner- and side-load stability.

Increased Throughput
Fast stabilization times and update rates guarantee short cycle times in many static and dynamic applications.
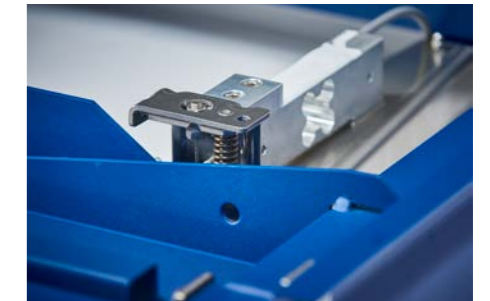
Safe in Hazardous Areas
The platforms are approved for use in the presence of flammable gases and dusts in Zone 2/22.

The Heart of the Platform
The high performing analog load cell is the core of the PBA757 weighing platform. For easy system integration, a digital interface is offered as an option.

Variability and Accuracy
Fulfill All Your Requirements
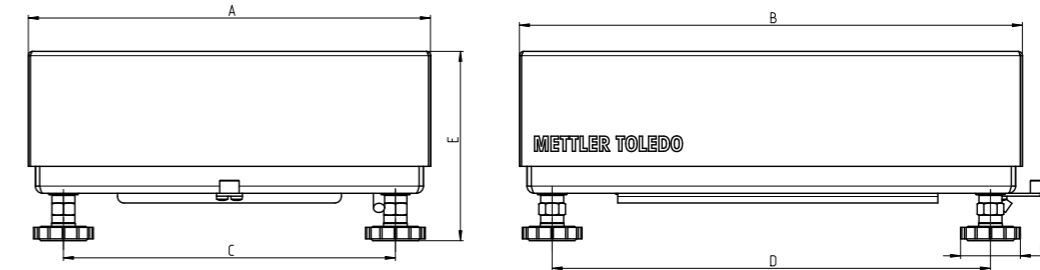
Technical Specification

Resolution (max. recommended)	60,000d
Ingress Protection	IP65
Material	Frame: Mild steel powder coated; Load plate: Stainless steel AISI304
	Load Cell: Aluminium
Load Plate Surface	Ra <= 0,8μm (welding lines excluded)
Cable Length	2,5 m (default)
Scale Interface	Analog
Suitable Indicators	Analog: Any analog MT terminal Analog Zone 2/22: IND570xx, IND780xx SICSpro: Any MT SICSpro terminal
	IDNet with ACC409 converter: IND570, IND690, IND780, ID7, ICS__5, ICS__9
Hazardous Area Approval (option)	Category 3GD (ATEX)
Temperature Range	-10°C – 40°C
Available Options	Load Plate: AISI316 / dynamic load plate Interface: Digital (SICSpro), digital (SICSpro with cable adaptor SICSpro-IDNet), Cable length: 5 m, Test certificate

Standard Configurations

Model	Plaform size	Weighing Capacity			
PBA757-B	400 x 500 [mm]	60	120		
PBA757-CC	600 x 800 [mm]			120	300
Approvable Readability					
Class III, 6,000e Single Range	[g]	10	20**	20	50
Min. Capacity (certified platforms only)	[g]	200	400	400	1000
Readability (min. recommended)					
Up to 60,000d	[g]	1	2	2	5
Typical Values*					
Repeatability sd (at max. load)	[g]	0.7	1.5	2	3.7
Error of Indication Typ. (at half load)	[g]	1.9	3.1	2.5	13.4
Error of Indication Typ (at full load)	[g]	1.6	2.3	5.9	19

Zero setting range= +/- 2% of max. capacity; Preload range: 18% of max. capacity; Taring range subtractive from 0 to max. capacity

*At room temperature and stable environmental conditions without vibration and draft, with automated weight placement

** For B120 model, 6000e is only available with SICSPro interface

Dimensional Drawings

Dimensions [mm]	PBA757	PBA757
	B	CC
A	400	600
B	500	800
C	337	503
D	431	724
E	127-152	130-155
F	35	35

Accessories

Articel Number	Stands & Carts
503631	Bench Stand B-size, mild steel powder coated
503632	Bench Stand B-size, stainless steel
504853	Bench Stand CC-size, mild steel powder coated
504854	Bench Stand CC-size, stainless steel
504127	Pillar support mild steel
504128	Pillar support stainless steel
72198697	Cart (CC-size), mild steel painted
	Columns
72198702	Column stainless steel, heigth 330 mm
72198703	Column stainless steel, heigth 660 mm
503640	Roller track, B-size, mild steel galvanized, suitable for hazardous areas
504852	Roller track, CC-size, mild steel galvanized, suitable for hazardous areas
22001647	Roller track, B-size, stainless steel
22001648	Roller track, CC-size, stainless steel
72198691	Ball top (B-size)
72198693	Ball top (CC-size)
	Connectivity
22026963	ACC409xx: Adapter to convert SICSpro to IDNet Please connect only to IND570, IND690, IND780, ID7, ICS__5, ICS__9
30024759	Cable extension 10m (two M12 plugs)

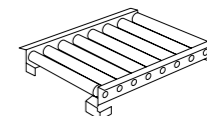Bench Stand

Pilar support

Column

Roller Track

Adapter

METTLER TOLEDO Service   IP65   OIML   CE   EX   ISO 9001 certified   ISO 14001 certified