Choose Your Terminal
Build the Perfect Scale

When paired with the right terminal and connectivity option, PBD769 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

PBD769

Pre-Calibrated, Ready to Operate

Digital Signal, Excellent Integrity

Rigid and Rugged Construction

For Dynamic & Static Applications

www.mt.com/PBD769

For more information

Save Space and Time
Three Approved Scales in One Platform

METTLER TOLEDO

3-in-1 Scale
Optimize your Processes

The PBD769 series can replace, three 3'000e approved scales, saving space and costs, while speeding up your processes. Even more, when a tare load is applied, the scale automatically starts to weigh with the smallest readability. Set up as a single range scale, the approvable readability is as high as 7'500e. In non-legal-for-trade applications, stable resolutions of up to 150`000d can be achieved.

Heavy Weight
Third weighing range from e.g. 30 to 60kg with a readability of 20g: When tarring in any range the smallest readability of e.g. 5g is applied again.

Low Weight
First weighing range with lowest readability. Benefit from an approved readability of e.g. 5g up to 15kg on a 60kg platform.
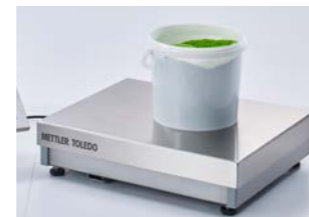
Medium Weight
Second weighing range from e.g. 15 to 30kg with a readability of 10g: This characteristic saves you the space and the investment for a second, separate scale.

Efficient Formulation
Weigh heavier basic components and valuable, small doses of ingredients on one scale, always with the required accuracy.

Accurate Filling
Fill small and large containers at tight tolerances without switching platforms. Using the filling bar and stored target values creates accurate results faster.

Precise Checkweighing
The scale supports efficient checkweiging applications. When attached to an ICS terminal, the display with colorWeight® feature ensures easy-to-read error free results.
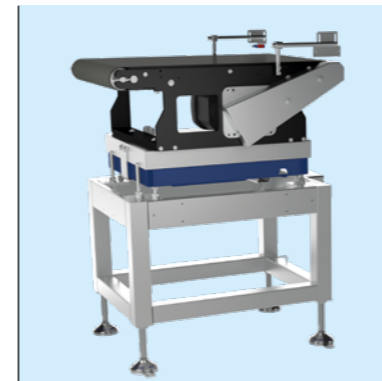
Fast Dynamic Weighing
The unique mechanical design of the PBD769 platform series allows for stable weighing results even in fast dynamic conveyor applications. It facilitates high throughput and faster processes.

Accurate Piece Counting
With its 3-in-1 concept, this scale allows you to count exact quantities of large and small parts on one scale. 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

Our scales are designed to grant stable accuracy even under unfavorable operating conditions. The unique construction in combination with a high-performing load cell make it suitable for a variety of challenging environments including areas that are highly humid, need regular cleaning and are subject to harsh wash-down procedures.

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 reliable lever system facilitates excellent corner- and side-load stability, which makes this platform an excellent solution for many dynamic and static installations.

Various Sizes and Capacities
We offer mechanical layouts for different sizes and capacities to achieve the best possible performance for your needs.

Increased Throughput
Fast stabilization times and update rates guarantee short cycle times in many static and dynamic applications.

Hygiene Matters
The high-grade stainless-steel load plate with its machined brushed surface features a low surface roughness, which avoids corrosion and makes it easy to clean.

The Heart of the Platform
The high-performing digital load cell is the core of the PBD769 weighing platforms. This technology guarantees high precision and reliability even in wet and harsh environments.

PBD769-AB_

PBD769-B/CC

High Variability and Accuracy
Fulfill All Your Requirements

Technical Specification

Resolution (max. recommended)	150,000d
Ingress Protection	IP66/68
Material	Frame / load plate: Stainless steel AISI304
	Load cell: stainless steel (AISI304), brushed, e-polished
Load Plate Surface	Ra <= 0,8µm (welding lines excluded)
Cable Length	2,5 m (default), max. length: 30 m
Interface	SICSpro / RS422
Update Rate	Up to 90 ups
Suitable Indicators	SICSpro: MT SICSpro terminals
	IDNet: ICS__5, ICS__9, IND570, IND780, IND690 (Q4/2017)
Temperature Range	0°C – 40°C
Available Options	Load plate: AISI316, dynamic load plate Interface: SICSpro with cable adaptor SICSpro-IDNet Cable length: 5m, 10m, 20m Test certificate

Standard Configurations

Model	Plaform size	Maximum Capacity					
PBD769-AB	280 x 350 [mm]	15	30				
PBD769-B	400 x 500 [mm]			60	120		
PBD769-CC	600 x 800 [mm]					150	300
Approvable Readability							
Class III, 3 x 3,000e Multi-Interval	[kg/g]	3 kg / 1 g 6 kg / 2 g 15 kg / 5 g	6 kg / 2 g 15 kg / 5 g 30 kg / 10 g	15 kg / 5 g 30 kg / 10 g 60 kg / 20 g	30 kg / 10 g 60 kg / 20 g 120 kg / 50 g	30 kg / 10 g 60 kg / 20 g 150 kg / 50 g	60 kg / 20 g 150 kg / 50 g 300 kg / 100 g
Min. Capacity (Approved platforms only)	[g]	20 g	40 g	100 g	200 g	200 g	400 g
Class III, 6,000e / 7,500e Single Range	[g]	2 g	5 g	10 g	20 g	20 g	50 g
Min. Capacity (Approved platforms only)	[g]	40 g	100 g	200 g	400 g	400 g	1 000 g
Readability (min. recommended)							
Up to 150,000d	[g]	0.1	0.2	0.5	1	1	2
Typical Values*							
Repeatability sd (at max. load)	[g]	0.1	0.3	0.4	0.8	1.0	1.7
Error of Indication Typ. (at half load)	[g]	0.2	0.4	1.1	1.9	1.9	4.5
Error of Indication Typ. (at full load)	[g]	0.5	0.8	1.7	2.3	2.9	7.4

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
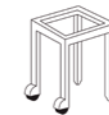
Dimensional Drawings
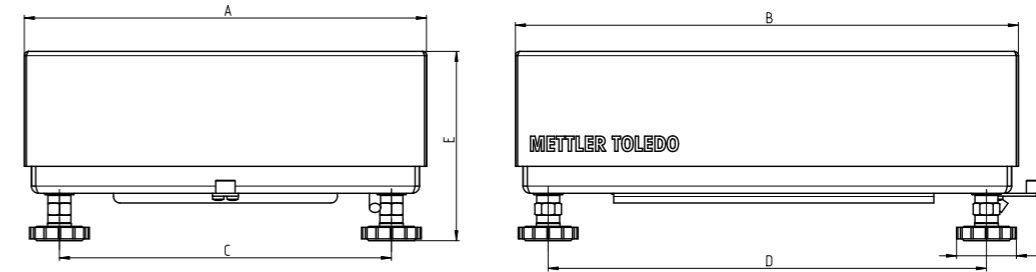
Dimensions [mm]	PBD769 AB	PBD769 B	PBD769 CC
A	280	400	600
B	350	500	800
C	231	337	503
D	305	431	724
E	132–144	127–152	130–155
F	40	35	35

Accessories

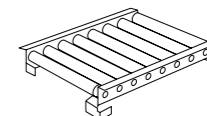| Articel Number	Stands & Carts
503631	Bench stand B-size, mild steel powder coated
503632	Bench stand B-size, stainless steel
504853	Bench stand CC-size, mild steel powder coated
504854	Bench stand CC-size, stainless steel
504127	Pillar support mild steel
504128	Pillar support stainless steel
72198697	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
30242223	Cable M12 RS422 SICSpro; 2,5 m, safe area only
30242224	Cable M12 RS422 SICSpro; 5 m, safe area only
30242226	Cable M12 RS422 SICSpro; 10 m, safe area only
30242225	Cable M12 RS422 SICSpro; 20 m, safe area only
22026963	ACC409xx: Adapter to convert SICSpro to IDNet Please connect only to IND570, IND690, IND780, ID7, ICS__5, ICS__9
30024759	Cable extension 10 m (two M12 plugs)

Bench Stand

Pilar support

Column

Roller Track

Cables

Adapter

METTLER TOLEDO Service

IP66 IP68 OIML CE ISO 9001 certified ISO 14001 certified