Accessories (Carbon Steel)

Columns	Order number
Column, Heights 330 mm	72 198 699
Column, Heights 660 mm	72 198 700
Column, Heights 900 mm	72 198 701
Floor Stand, Heights 1'000 mm	22 023 451
Free Standing Base Plate	00 503 700

Stands & Carts, Painted	
Wheeled Bench Stand (for B-Size Platforms)	00 503 631
Wheeled Bench Stand (for CC-Size Platforms)	00 504 853
Support for Wheeled Bench Stand	22 023 460
Cart (for BC-Size Platform)	72 198 696
Cart (for CC-Size Platform)	72 198 697

Special Tops, Painted	
Roller Top (for B-Size Platform)	72 198 705
Roller Top (for BC-Size Platform)	72 198 707
Roller Top (for CC-Size Platform)	72 198 709
Ball Top (for B-Size Platform)	72 198 691
Ball Top (for BC-Size Platform)	72 198 692
Ball Top (for CC-Size Platform)	72 198 693

Connectivity	
E-Box incl. Feet	30 024 758
10 Meter Cable Extension (two M12 Plugs)	30 024 759
5 Meter Cable Extension (M12 Plug to Pig Tail)	30 024 768

Note: Terminal brackets are not included. Please see terminal brochure.
For stainless steel accessories please see the user manual.

Dimensions

Front view

Side view

Model – Dimension in mm		a	b	c	d	e	f	g	h
PBD655-A…	mm	175	240	62	80	235	300	22	42
PBD655-BB…	mm	235	300	66	86	335	400	22	42
PBD655-B…	mm	335	400	66	86	435	500	22	42
PBD655-BC…	mm	435	500	85	110	587	650	22	42
PBD655-CC…	mm	503	600	97	120	724	800	21	42

Digital Weighing Platform

PBD655
Digital Weighing Platform

Capacities from 6 to 600 kg

Fully Digital for Highest Accuracy

Pre-Calibrated - Ready to Operate

Excellent EMC Immunity

OIML 6 000e Approved

Robust and Reliable

Uncompromising Reliability
When Accuracy Counts

METTLER TOLEDO

METTLER TOLEDO Service   OIML   NTEP   M   ISO 14001 certified   ISO 9001 certified   C E

The Plug and Weigh Design
Ready to Operate in Seconds

The PBD655 extremely robust and rugged platform series is a true digital device designed for simplicity and dependability. It features an exclusively tailored METTLER TOLEDO load cell and an approvable resolution of OIML 6000e. This combined with a stable and fast A/D Converter, provides optimal weighing and counting precision while still being cost effective.
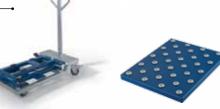
For optimum convenience, these platforms are shipped pre-calibrated from the factory. Simply unpack, plug the platform into a suitable terminal or directly into a process control unit and start weighing.

The PBD655 digital platform series is IP65 approved and the perfect choice for harsh dry and dust-contaminated environments such as in receiving, inspection, manufacturing, warehousing, packaging and shipping.

Ergonomic Operation
Extension cables and other smart accessories make the platform series highly flexible and the right choice for many different working environments. Columns are available in three different heights and can be mounted on either the short or long side of the platform.

Rugged & Reliable Signal Transmission
The shielded polyurethane scale cable and the industrial M12 connector offer a high level of resistance to wear and abrasion and help to guarantee a long product life time.

Easy Leveling – Assured Protection
Optimally placed and independently adjusted overload stops ensures best possible load cell protection. Easy adjustable feet allow for reliable and precise scale leveling.

High Durability
Reliable operation in rough environments is achieved with a sophisticated frame construction and a hard-wearing powder coated surface treatment. All platforms feature a brushed stainless steel platter which further enhances sturdiness and stiffness.

Exceptional Signal Integrity for Accurate Weighing
Due to excellent immunity of the digital weigh signal from electro-magnetic influences, precise weighing is guaranteed at all times. The fast update rate of ninety weighing values per second combine to make the platform the perfect choice for dynamic weighing applications.

Technical Specification

Resolution	up to 60 000d (6000d default uncertified) OIML Class III, 6000e (600 kg - 2 x 3000e MR)
Ingress Protection	IP65
Material	Platform frame: Powder coated, carbon steel Load plate: Brushed stainless steel (AISI304)
Load Cell	Aluminum potted
Cable length	2.5 m
Interface	RS422 for direct connection to process control unit (w/o terminal)
Update rate	90 values per second
Power supply	6 to 18 VDC
Suitable indicators	ICS4_5d, ICS685d, IND890

Construction per Size

A	240 x 300 mm
BB	300 x 400 mm
B	400 x 500 mm
BC	500 x 650 mm
CC	600 x 800 mm

Standard Configurations

Model	Platform size	Weighing capacity						
PBD655-A	240 x 300 mm	6kg	12 kg					
PBD655-BB	300 x 400 mm			30 kg	60 kg			
PBD655-B	400 x 500 mm				60 kg	120 kg		
PBD655-BC	500 x 650 mm				60 kg	120 kg	300 kg	
PBD655-CC	600 x 800 mm				60 kg	120 kg	300 kg	600 kg
Certifiable resolution 1x6000e								
Readability certified		1 g	2 g	5 g	10 g	20 g	50 g	100 g / 200 g*
Min. capacity (certified platforms only)		20 g	40 g	100 g	200 g	400 g	1 kg	2 kg

* OIML 2x3000e MR
Model designation example: Size 240 x 300mm/6 kg: PBD655-A6

Zero setting range = 2% of max. capacity
Temperature range = −10°C to +40°C

Preload range = 18% of max. capacity
Taring range subtractive from 0 to max. capacity