

Rectangular platforms

Platform size (mm)	a	b	c	d	e	f*	g
240x300	240	300	95	175	235	30/34	22
300x400	300	400	97	235	335	30/34	15
400x500	400	500	100	335	435	30/34	15
500x650	500	650	108	435	587	30/34	15
600x800	600	800	130	503	724	30/34	21

Square platforms

Platform size (mm)	a	b	c	d	e	f*	g
229x229	229	229	95	170	170	30/34	22
305x305	305	305	97	233	245	30/34	15
457x457	457	457	100	392	397	30/34	15

Min. height = c; max. height = c + 15mm; * Wrench opening/width across flats

Accessories

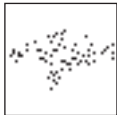


Bench stand

Stable frame construction, 2 feet with rollers, 1 fixed foot with leveling screw, approx. 560mm high
for PBA430(x)-B 400x500mm
for PBA430(x)-CC 600x800mm

Order No.

00 503 632
00 504 854



Roller bed

Runs lengthwise

Hot galvanized

For dry environments, rollers conductive (hazardous areas)
for PBA430(x)-B 400x500mm
for PBA430(x)-BC 500x650mm
for PBA430(x)-CC 600x800mm

00 503 640
22 012 638
00 504 852

Stainless steel

For wet environments, rollers non-conductive
for PBA430-B 400x500mm
for PBA430-BC 500x650mm
for PBA430-CC 600x800mm

22 001 647
22 012 799
22 001 648



Pillar support

For fastening the terminal on the bench stand, incl. fastening material, stainless steel (1.4301)
for ID terminals
for SPIDER S terminals

00 504 128
22 000 064



Floor stand

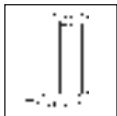
Incl. fastening material, stainless steel (1.4301)
for ID terminals
for SPIDER S terminals
for IND690 terminal

00 504 132
22 000 065
22 011 981

Stand base

Stainless steel (1.4301)

00 503 701



Scale stand

For fastening the terminal on the weighing platform, stainless steel (1.4301), height:
330mm
660mm
for ID terminals
22 010 334
22 010 335
for SPIDER S terminal
22 010 336
22 010 337
for BBA.. terminal
22 010 332
22 010 333
for IND4x9 terminal
22 013 964
22 013 965

00 504 132
22 000 065
22 011 981



Connection cable extension

10m long, pluggable at both ends, for remote connection of terminals with IDNet interface

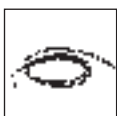
00 504 134



Connection set for ID terminal

For stepless extension of the connection cable to 100m, comprising two connection boxes. Box on terminal side with 2.5m long connector cable

00 504 133



Special cable on reel

100m, for use in conjunction with the connection set for stepless extension of the connection cable for ID terminals

00 504 177

www.mt.com

For more information

Sales and service:

Conformity

Quality certificates

Worldwide service



Subject to technical changes © Mettler-Toledo GmbH MCG 1/06
Printed in Germany 22 010 221A

Weighing Platforms



PBA430/PBA430x

Rust resistant and rugged

Rectangular and square weighing platform dimensions

Multi-range scales 2x3000e

Protected to IP68/IP69k

EHEDG and NSF compliant

GMP compliant

Innovative construction
for uncompromising cleanliness

METTLER TOLEDO

Where cleanliness really matters – in hygienically sensitive areas

Demanding weighing processes are performed reliably by the PBA430 and PBA430x. Easy to clean, these weighing platforms support internal quality management systems in the food, pharmaceutical and chemical industries.

For use in

- Food industry
- Chemical and pharmaceutical industries
- Production
- Harsh environments

Product characteristics

- Certified for use in the food and pharmaceutical industries
- Protection to IP69k allows optimal high-pressure cleaning
- Weighing platform with hermetically sealed stainless steel weighing cell additionally protected against immersion to IP68
- All stainless-steel construction (1.4301/AISI 304)
- All weighing platforms certifiable to OIML, Class III with 1x3000e
- Comprehensive product line with 8 weight ranges (3-600kg), 8 platform sizes (from 240x300mm to 600x800mm)
- Can be used in hazardous areas of Category 3 G/D (PBA430) and Category 2 G/D (PBA430x)
- The optional digital balance interface enables connection of the PBA430 line to all terminals with IDNet interface.

With their stainless steel construction designed for optimal cleanability, the PBA430(x) weighing platforms give contamination and corrosion no chances. They can therefore be used in hygienically sensitive areas with HACCP¹⁾ requirements and when working to GMP¹⁾.

The PBA430(x) weighing platforms are manufactured according to the recognised guidelines of the EHEDG¹⁾ and NSF¹⁾ – ideal for use in critical areas where foods such as meat, fish, poultry, fruits and vegetables are processed or in bakeries.

In conjunction with intrinsically safe terminals of the ID ... x and IND ... x lines, the analogue PBA430x weighing platforms can be used in hazardous areas of Category 2 zones 1 and 21.

The optional load plate of high-alloy stainless steel (1.4571/AISI 316 TI), available for each weighing platform, fulfills the highest requirements for corrosion resistance.

Thanks to comprehensive accessories including bench stands, roller beds or various other stands, the weighing system can be adapted to meet specific needs.

¹⁾ **HACCP** Hazard Analysis Critical Control Point
GMP Good Manufacturing Practice
EHEDG European Hygienic Equipment Design Group
NSF National Sanitation Foundation



Zone 1/21

PBA430x



Terminal
IND...x
ID...x

Zone 2/22

PBA430



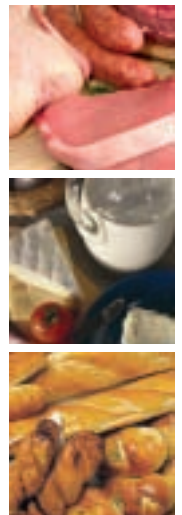
Terminal
IND...xx
ID...xx



Basic model		3kg	6kg	15kg	30kg	60kg	150kg	300kg	600kg
	Dimensions (mm)								
QA	229x229		▲						
A	240x300	▲	▲	▲					
QB	305x305			▲	▲	■			
BB	300x400				▲	■			
B	400x500				▲	■	■		
QC	457x457					■	■		
BC	500x650					◆	◆	◆	
CC	600x800					◆	◆	◆	◆
Resolution		1x3000e	2x3000e MR						
Weighing platform material	1.4301/AISI 304	Standard							
Load plate material (Ra < 0.8 µm)	1.4301/AISI 304	Standard							

Options									
IDNet interface		•	• ¹⁾	•	•	•	•	•	•
IDNet cable length	5m	•	• ¹⁾	•	•	•	•	•	•
Resolution	2x3000e MR	•							
Cable length (weighing cell)	5m	•	•	•	•	•	•	•	•
Load plate material (Ra < 0.8 µm)	1.4571/AISI 316	•	•	•	•	•	•	•	•

¹⁾ Not for square dimensions; cable length (weighing cell) ▲ = 1.5m, ■ = 2.5m, ◆ = 5m



Maximum capacity	kg	3	6	15	30	60	150	300	600
e1/Max1 ¹⁾	kg/kg	0.0005/1,5*	0.001/3	0.002/6	0.005/15	0.01/30	0.02/60	0.05/150	0.1/300
e2/Max2 ¹⁾	kg/kg	0.001/3*	0.002/6	0.005/15	0.01/30	0.02/60	0.05/150	0.1/300	0.2/600
Taring range subtractive	kg	from 0 to max. capacity							
Readability ²⁾	kg	0.0001	0.0002	0.0005	0.001	0.002	0.005	0.01	0.02
Minimum capacity	kg	0.01*	0.02	0.04	0.1	0.2	0.4	1	2
Zero setting range	kg	+/- 0.06	+/- 0.12	+/- 0.3	+/- 0.6	+/- 1.2	+/- 3	+/- 6	+/- 12
Preload range	kg	0.54	1.08	2.7	5.4	10.8	27	54	108
Max. preload ³⁾									
229x229mm	kg		1.5						
240x300mm	kg	3.0	1.5	3.5					
305x305mm	kg			2.7	10	30			
300x400mm	kg				10	30			
400x500mm	kg				6	25	30		
457x457mm	kg					25	30		
500x650mm	kg					20	60	150	
600x800mm	kg					15	50	100	120
Max. static safe load									
Centre	kg	30	15**/30	30	100	100	200	400	700
Side	kg	20	10**/20	20	70	70	140	300	400
Corner	kg	10	5**/10	10	35	35	75	150	200
Weighing accuracy									
Repeatability (s)	kg	0.0003	0.0005	0.0006	0.002	0.006	0.009	0.018	0.036
IP protection									
- Analog weighing platform		IP68/IP69k							
- IDNet weighing platform		IP67							

¹⁾ Multi-range capable depending on the weighing terminal connected;

²⁾ Max. readability depending on analog/digital converter used

³⁾ With centre load, not certifiable. Overload stops must be checked and adjusted if necessary; accuracy class III; temperature range -10 ... +40 °C

* Optional resolution 2x3000e MR

** Max. static load of the square size