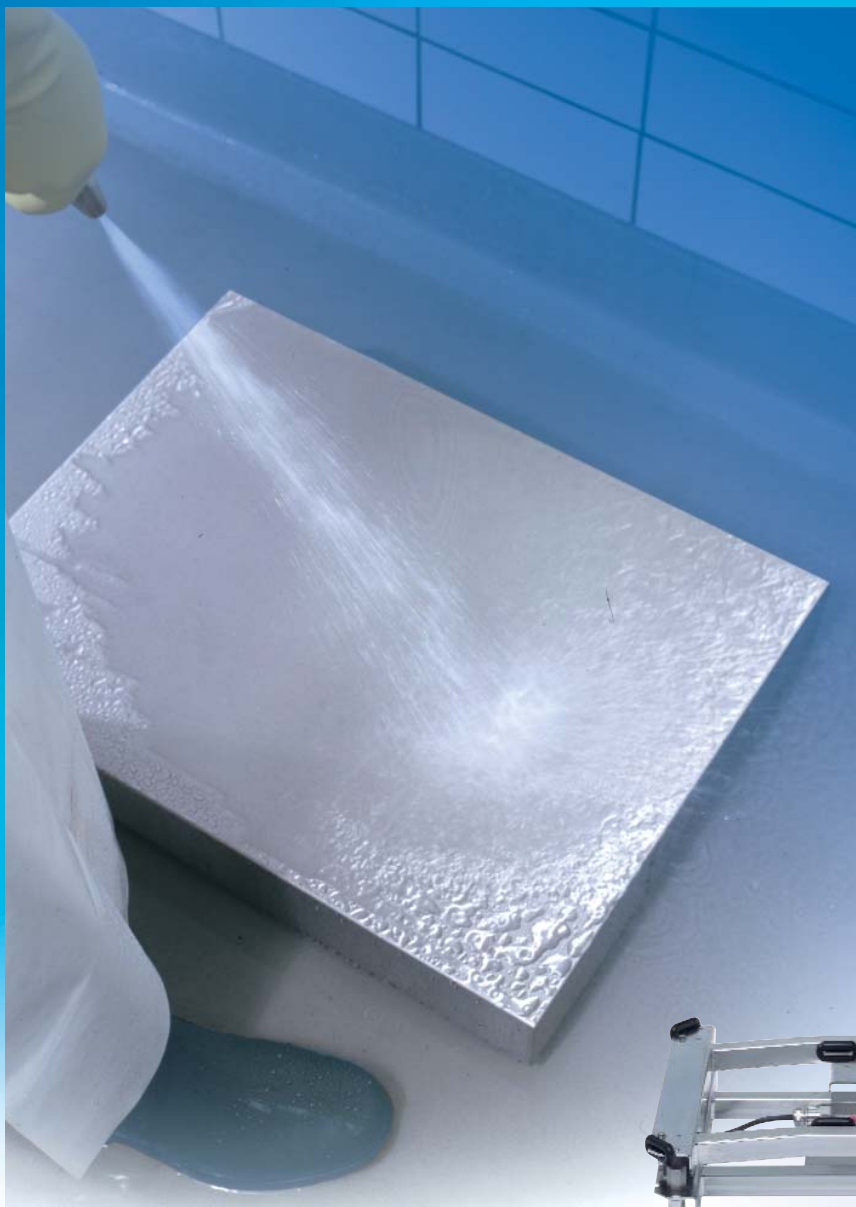


# Weighing Platforms



## **PBA430/PBA430x**

Rust resistant and rugged

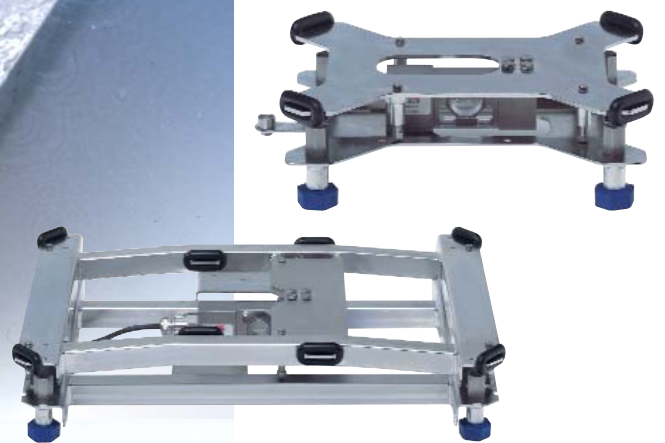
Rectangular and square platforms

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. These easy to clean 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 Class 1 Div 2, Category 3 G/D (PBA430) and Class 1 Div 1, 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 are contamination and corrosion resistant. They can therefore be used in hygienically sensitive areas with HACCP<sup>1)</sup> requirements and when working to GMP<sup>1)</sup>.

The PBA430(x) weighing platforms are manufactured according to the recognized guidelines of the EHEDG<sup>1)</sup> and NSF<sup>1)</sup> – 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 analog PBA430x weigh-

ing platforms can be used in hazardous areas of Class 1 Div 1, 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.

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

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



**Class 1 Div 1, Zone 1/21**

PBA430x



**Terminal  
IND...x  
ID...x**

**Class 1 Div 2, Zone 2/22**

PBA430



**Terminal  
IND...xx  
ID...xx**

IP68

GMP

EHEDG

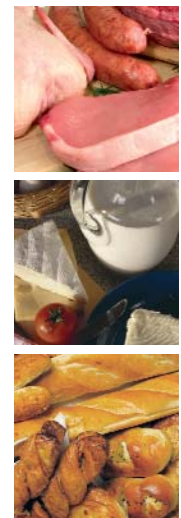
NSF



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

<sup>1)</sup> 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 <sup>1)</sup>	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 <sup>1)</sup>	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 <sup>2)</sup>	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
<b>Max. preload<sup>3)</sup></b>									
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
<b>Max. static safe load</b>									
Center	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
<b>Weighing accuracy</b>									
Repeatability (s)	kg	0.0003	0.0005	0.0006	0.002	0.006	0.009	0.018	0.036
<b>IP protection</b>									
- Analog weighing platform		IP68/IP69k							
- IDNet weighing platform		IP67							

<sup>1)</sup> Multi-range capable depending on the weighing terminal connected

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

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

\* Optional resolution 2x3000e MR

\*\* Max. static load of the square size

## Rectangular platforms

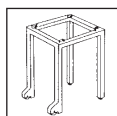
Platform size (mm)	a	b	c	d	e	f*	g
240x300	240	300	95	175	235	30/34	22
300x400	300	400	97	235	335	30/34	15
400x500	400	500	100	335	435	30/34	15
500x650	500	650	108	435	587	30/34	15
600x800	600	800	130	503	724	30/34	21

## 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

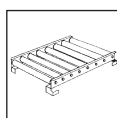


### Bench stand

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

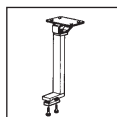
For dry environments, rollers conductive (hazardous areas)  
for PBA430(x)-B 400x500mm  
for PBA430(x)-BC 500x650mm  
for PBA430(x)-CC 600x800mm

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

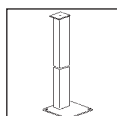
22 001 647  
22 012 799  
22 001 648



### 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

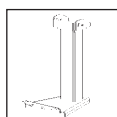
Incl. fastening material, stainless steel (1.4301)  
for ID terminals  
for SPIDER S terminals  
for IND690 terminal

00 504 132  
22 000 065  
22 011 981

### Stand base

Stainless steel (1.4301)

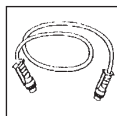
00 503 701



### Scale stand

For fastening the terminal on the weighing platform, stainless steel (1.4301), height: 330mm  
for ID terminals 22 010 334  
for SPIDER S terminal 22 010 336  
for Panther terminal 22 010 332  
for IND4x9 terminal 22 013 964

660mm  
22 010 335  
22 010 337  
22 010 333  
22 013 965



### 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 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 extension of the connection cable for ID terminals

00 504 177

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

For more information

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