

Low-Profile Floor Platforms



PUA579 Hygienic Floor Scale

Minimized Contamination Risk

Effortless Weighing

Failure-Proof Lifting

Space-Saving Design

Ultra-Low Profile Scale

Fast Loading and Easy Cleaning

METTLER TOLEDO

Hygienic PUA579 Floor Scale

Seamless Sanitization and More

Production environments in the pharmaceutical and food industries have become increasingly complex, and recalls can be costly to your bottom line and brand image. Easily achieve hygienic requirements and eliminate the risk of cross-contamination with the fully sealed PUA579 low-profile scale.

► www.mt.com/PUA579



Boost throughput

The low-profile platform and optional ramps make loading large containers as easy as walking across the floor. The expedited weighing that results enhances overall operational productivity.



Reduce lifting strain

Gas-filled springs enable operators to raise and lower the scale with minimal effort. This ergonomic lifting device increases washdown efficiency and minimizes risk of injury.



Save valuable space

Simply fold the scale up during washdown or to regain floor space when not in use. In narrow or hard-to-access areas such as hygienic clean rooms, the PUA579 promotes versatile space use.



Eliminate Cross-Contamination Risk

With a closed bottom plate, optional surface finishes, and high-quality chrome-nickel steel or acid-proof chrome-nickel steel, contamination and corrosion do not stand a chance.



Closed bottom plate

Wash without worrying about the usual dirt traps and crevices. The flat, easy-to-clean construction of the hygienic PUA579 expedites the cleaning process by up to 50%, saving time and improving the overall productivity of your operation.



Cleanable to a microbiological level

The fully sealed design prevents water and bacteria accumulation, while corrosion-resistant stainless steel withstands high-power sprays and harsh detergents. Getting your equipment clean and keeping it clean has never been easier.

Efficient Installation and Operation

Enhance Productivity and Save Costs

The practical design of the hygienic PUA579 floor scale allows for easy integration into your existing production space and processes. With an exceptionally low profile, live side rails, and optional pre-stored calibration values, you can avoid many of the usual headaches associated with new equipment installations and feel confident in your weighing results from the very first day.



Achieve immediate accuracy

By storing the factory calibration values within the scale, you get out-of-the-box accuracy and simplified setup. Not only does this save time and money during installation, it also ensures reliable weighing from day one using the new scale.



Load quickly and effortlessly

A scale height of only 35 millimeters and optional short approach ramps make it easy to drive over the scale. This means you can conveniently load the scale with transport vehicles, mobile mixing containers, or other mobile vessels for efficient, accurate results.



Eliminate pit-installation expenses

The ultra-low profile design allows for quick, easy and ergonomic weighing, even when loading and unloading heavier containers. This keeps your operators safe and makes costly pit installation unnecessary.



“The hygienic PUA579 not only met my facility’s requirements for Category 3 hazardous area safety, but it also fit seamlessly into our cleanroom processes.”

Pharma Plant Manager

Technical Specifications and Features

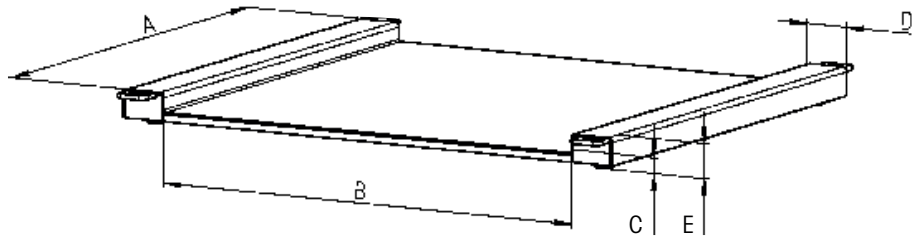
PUA579 Hygienic

Maximum capacity	[kg]	300	600	1,500
Platform height	[mm]	35		
Sizes A × B				
850 × 850	[mm]	•	•	
1,000 × 1,000	[mm]	•	•	•
1,500 × 1,250	[mm]	•	•	•
Approved accuracy resolution				
Class III single range				
1 × 3,000e	[kg]	0.1	0.2	0.5
1 × 6,000e	[kg]	0.05	0.1	0.2/1200
Approved accuracy readability				
Class III 2× 3000e multi-range				
Max1/e1	[kg]	150/0.05	300/0.1	600/0.2
Max2/e2	[kg]	300/0.1	600/0.2	1,500/0.5
Approved accuracy readability				
Class III 3× 3000e multi-range				
Max1/e1	[kg]		150/0.05	300/0.1
Max2/e2	[kg]		300/0.1	600/0.2
Max3/e3	[kg]		600/0.2	1,500/0.5
Approved accuracy readability				
Class III 2× 3000e multi-interval				
Max1/e1	[kg]	150/0.05	300/0.1	600/0.2
Max2/e2	[kg]	300/0.1	600/0.2	1,500/0.5
Minimum capacities				
3,000e	[kg]	2	4	10
6,000e	[kg]	1	2	N/A
2 × 3,000e MR	[kg]	1	2	4
3 × 3,000e MR	[kg]		1	2
2 × 3,000e MI	[kg]	1	2	4
Typical values*				
Repeatability sd (at max. load) for 3,000e	[g]	20	40	100
Repeatability sd (at max. load) for 6,000e	[g]	15	30	70
Error of indication (at half load)	[g]	22	48	105
Error of indication (at full load)	[g]	30	55	120
Preload range (approved)	[kg]	-6...+54	-12...+108	-30...+270
Maximum static safe load		CS-size	DS-size	E-size
		300/600 kg	300/600/1,500 kg	300/600/1,500 kg
Central load	[kg]	800	1,750	1,750
Side load	[kg]	400	900	900
Corner load	[kg]	300	450	450
Wheel load	[kg]	200	400	400

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

Dimensions

Weighing platform [mm]	850 x 850	1,000 x 1,000	1,500 x 1,500
Length A [mm]	850	1,000	1,500
Passage width B [mm]	850	1,000	1,250
C [mm]	35	35	35
D [mm]	100	100	100
E [mm]	72	72	72



Accessories

Lifting Device

Weighing platform not included, available for the following models (length A x passage width B)

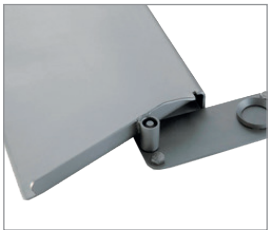
850...1,250 x 850 mm	22015715
850...1,500 x 1,000 mm	22015718
1,100...1,500 x 1,250 mm	22015719



Ramps

(Stainless Steel AISI304)

Size CS (850 x 850 mm)	22012779
Size FM (1,000 x 1,000 mm)	22012781
Size E (1,500 x 1,250 mm)	22012780



Installation Frame

(Stainless Steel AISI316)

Size CS (850 x 850 mm), for 1 ramp	22017751
Size E (1,500 x 1,250 mm), for 1 ramp	22017752
Size FM (1,000 x 1,000 mm), for 1 ramp	22017753
Size CS (850 x 850 mm), for 2 ramps	22017759
Size E (1,500 x 1,250 mm), for 2 ramps	22017760
Size FM (1,000 x 1,000 mm), for 2 ramps	22017761



Hygienic PUA579

General Specifications

Platform material	Stainless steel AISI304/1.4301	
	Optional (ETO): stainless steel AISI316/1.4571	
Load plate surface	Glass bead blasted, $R_a \leq 5\mu\text{m}$	
	Optional (ETO): ground, $R_a < 1\mu\text{m}$, welding lines, cutting edges, bottom plate excluded	
Delivery state	Oil-finished surface*	
Sizes [mm]	850 × 850, 1,000 × 1,000, 1,500 × 1,250, free sizes available per ETO request	
Capacities	300 – 1,500 kg	
Compliance	Metrology	OIML Class III
	EMC	10 V/m
Hazardous area approvals	II3G / II3D Load cell 0745A: KEMA 03ATEX1070** Junction box AJB579xx-a: BVS 18 ATEX E 008** Junction box AJB579xx-d: BVS 21 ATEX E 003 X**	
Temperature range	-10 °C – +40 °C	
IP rating	IP68	
Home run cable length	Polyurethane, 5 m, 10 m, 20 m	
Scale interface	Analog, SICSpro	

*Oil suitable for foodstuff is used as additional corrosion protection in transit

**Product Compliance Document System: www.mt.com/us/en/home/search/compliance.html

www.mt.com/PUA579

For more information



METTLER TOLEDO Group

Industrial Division

Local contact: www.mt.com/contacts

Subject to technical changes

©04/2021 METTLER TOLEDO. All rights reserved

Document No. 30375728 A

MarCom Industrial