

True Performance, Every Time

Maximize Productivity and Yields



Operator Guidance

Real-time guidance alerts operators to optimal placement of goods on the scale to guarantee repeatability. Proactive warnings, such as overload, shock load or debris under the scale, eliminates errors before they become critical.



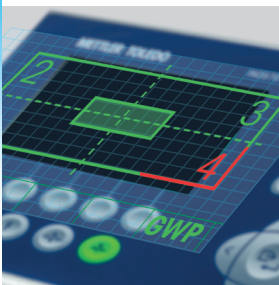
Rugged, Safe & Precise

Tough enough to handle your largest loads, accurate enough to weigh the smallest. With new accuracy classes, 6,000e/10,000e, self-monitoring smart load cells continually monitor and compensate for measurement deviations and ensure accuracy. Hazardous area approvals support safe use in Zone 2/22 or Div 2.



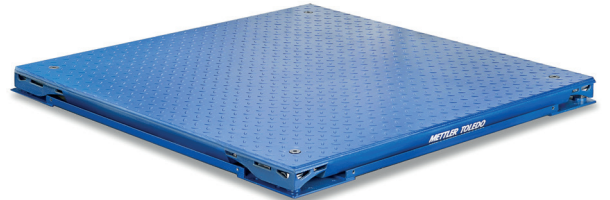
Half the Maintenance

By eliminating the junction box, the POWERCELL® digital load-cell network completely prevents moisture ingress. Smart electronics within the load cell automatically adjust to environmental conditions and eliminate interference.



Visibility Through Diagnostics

What if you could proactively correct an issue before the scale stops working properly? PowerDeck™ monitors data from all four corners of the scale to assist you in finding and correcting most issues while also monitoring usage patterns.



PFD7_ POWERCELL Floor Scale Platforms

What is True Performance? True Performance is defined as “the fulfillment of a request in accordance with fact or reality.” In the world of weights and measures, this term is used to describe a scale that is calibrated to read as close as possible to the actual weight of what is being measured. With the introduction of POWERCELL® technology to the new PowerDeck™ floor scale line, True Performance is finally possible for bulk weighments.

Only PowerDeck™ continuously monitors every component and overall status of the scale. Operators are immediately alerted to any deviations, meaning your critical measurements will be True every time. PowerDeck™ offers an increased level of Performance that allows you greater confidence in your production process knowing that your scale is verifying every measurement every time, also in areas classified as Zone 2/22 or Division 2.

PowerDeck™ Floor Platforms Model Specific Data

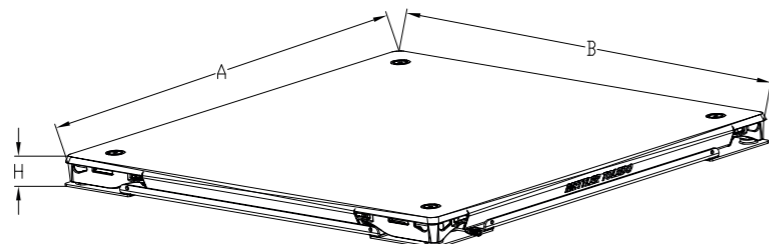
Maximum Capacity	kg	300	600	1200	1500	3000	6000	3000	6000	12000	
Height	mm	78	78	78	78	78	78	104	104	104	
Sizes B x A (See below Dimensional Drawing)											
1.0 x 1.0	[m]	●	●	●	●	●					
1.25 x 1.00	[m]	●	●	●	●	●					
1.5 x 1.25	[m]	●	●	●	●	●	●				
1.5 x 1.5	[m]	●	●	●	●	●	●	■	■	■	
2.0 x 1.5	[m]	●	●	●	●	●	●	■	■	■	
2.0 x 2.0	[m]							■	■	■	
2.5 x 2.0	[m]							■	■	■	
Approved Accuracy Readability Class III Single Range											
3,000e	[g]	100	200		500	1000	2000	1000	2000	5000	
6,000e	[g]	50	100	200		500	1000	500	1000	2000	
Approved Accuracy Readability Class III Multi Range											
2 x 3,000e	Max1 / e1	[kg/g]	150/50	300/100		600/200	1500/500	3000/1000		3000/1000	6000/2000
	Max2 / e2	[kg/g]	300/100	600/200		1500/500	3000/1000	6000/2000		6000/2000	12000/5000
2 x 6,000e	Max1 / e1	[kg/g]	120/20	300/50	600/100		1200/200	3000/500		3000/500	6000/1000
	Max2 / e2	[kg/g]	300/50	600/100	1200/200		3000/500	6000/1000		6000/1000	12000/2000
2 x 10,000e	Max1 / e1	[kg/g]	200/20	500/50		1000/100	2000/200	5000/500			
	Max2 / e2	[kg/g]	300/50	600/100		1500/200	3000/500	6000/1000			
Recommended Readability Single Range											
15,000d	[g]	20	50		100	200	500	200	500	1000	
30,000d	[g]	10	20		50	100	200	100	200	500	
60,000d	[g]	5	10	20		50	100				
Maximum Permissible Error at Maximum Load (Limit Values, approved platforms only)											
3,000e	[g]	150	300		750	1500	3000	1500	3000	7500	
6,000e	[g]	75	150	300		750	1500	750	1500	3000	
2 x 3,000e	[g]	150	300		750	1500	3000		3000	7500	
2 x 6,000e	[g]	75	150	300		750	1500		1500	3000	
2 x 10,000e	[g]	75	150		300	750	1500				
Minimum Capacities (approved platforms only)											
3,000e	[kg]	2	4		10	20	40	20	40	100	
6,000e	[kg]	1	2	4		10	20	10	20	40	
2 x 3,000e	[kg]	1	4		5	10	20		20	40	
2 x 6,000e	[kg]	0.4	1	2		4	10		10	20	
2 x 10,000e	[kg]	0.4	1		2	4	10				
Minimum Weight Typ. *	[kg]	2	2	4	8	8	40	60	60	60	
Typical Values **											
Repeatability sd (at max. load) for 3,000e/15,000d	[g]	6	12	17	25	50	100	50	100	250	
Repeatability sd (at max. load) for 6,000e/30,000d	[g]	5	10	15	20	40	80	40	80	200	
Repeatability sd (at max. load) for 10,000e/60,000d	[g]	4	8	12	15	30	70	30	70	160	
Error of indication (at half load)	[g]	10	25	30	35	70	170	70	170	360	
Error of indication (at full load)	[g]	15	33	42	55	100	270	100	270	560	
Maximum Static Safe Load(kg)											
Central Load	[kg]	750	750	2000	2000	4000	7500	15000	15000	15000	
Side Load	[kg]	400	400	1000	1000	2000	4000	7000	7000	7000	
Corner Load	[kg]	200	200	500	500	1000	2000	4000	4000	4000	

* The minimum weight achievable depends on the settings of the weighing device, the tare vessel as well as the environment. The minimum weight of your device in situ can therefore be smaller or larger than the typical values published, for which METTLER TOLEDO takes no responsibility. The determination of the minimum weight on site is documented in GWP® Verification. The minimum weight is calculated at the minimum recommended readability and a process tolerance of 1%.

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

Dimensional Drawing

Height (mm)	●	■
H	78	104



PowerDeck™ Floor Platform Preload Range

Platform Sizes (B x A, m x m)	Total Preload									
	[kg]	300	600	1200	1500	3000	6000	3000***	6000***	12000***
1.0 x 1.0	[kg]	410	1370	2850	2490	690				
1.25 x 1.0	[kg]	380	1340	2820	2460	660				
1.5 x 1.25	[kg]	320	1280	2760	2400	600	1400			
1.5 x 1.5	[kg]	280	1240	2720	2360	560	1360	13690	10090	2890
2.0 x 1.5	[kg]	220	1180	2660	2300	500	1300	13690	10090	2890
2.0 x 2.0	[kg]							13690	10090	2890
2.5 x 2.0	[kg]							13690	10090	2890

***Use for 104 mm platforms, which are marked with ■.



PowerDeck™ Floor Scale General Specification

Model		PFD774	PFD779
Platform Material	Mild Steel painted, blue	▲	
	Stainless Steel AISI304L		▲
Platform surface	Smooth	▲	▲
	Pattern (up to max. 2.0 x 1.5m)	▲*	▲*
Compliance	Metrology	OIML Class III	
	EMC	10 V/m	
Hazardous Area Approvals	ATEX	No	II 3G Ex nA IIC T6 Gc II 3G Ex ec IIC T6 Gc II 3D Ex tc IIIC T85°C Dc Load cell SLB615D: DEKRA 14ATEX0030X** Load Frame: BVS 20 ATEX H/B 012**
	IECEX	No	Ex nA IIC T6 Gc Ex ec IIC T6 Gc Ex tc IIIC T85°C Dc Load cell SLB615D: IECEX DEK 15.0077X**
	cFMus	NI/II/2/ABCD/FG/T6 -40°C≤Ta≤55°C DIP/III/2/T6 -40°C≤Ta≤55°C Load cell SLB615D: FM17US0281 FM17CA0143	
Temperature Range	Compensated	-10°C – +40°C	
	Operating (Non-Ex version)	-20°C – +65°C	
	Operating (Ex version)	-20°C – +55°C	
Home Run Cable/Length	Polyurethane / 3 m, 10 m, 20 m		
Load Cell	SLB615D, E-polish, IP68/IP69K		
Terminal	IND246POWERCELL(246H5), IND570POWERCELL(T57000H5), IND780PDX, IND570xxPOWERCELL, IND930/IND970POWERCELL		
Ingress Protection	IP68 / IP69K		
Scale Interfaces	POWERCELL® CanOpen Network		

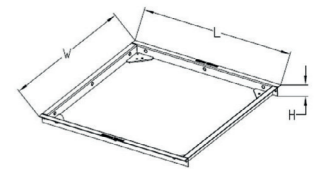
* Specify when ordering
** Product Compliance Document System:
www.mt.com/us/en/home/search/compliance.html



Options / Accessories

Quick-Pit Frame

With our Quick-Pit frame, installing a PowerDeck™ floor scale in a pit is an easy, trouble-free process. Just level the frame in the pit and pour concrete to complete pit. After the concrete has cured, install the scale and anchor it. The result is a pit scale that is square and flush with the floor.

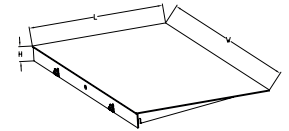


Model		Quick-Pit Frame 1000 x 1000	Quick-Pit Frame 1250 x 1000	Quick-Pit Frame 1500 x 1250	Quick-Pit Frame 1500 x 1500	Quick-Pit Frame 2000 x 1500	Quick-Pit Frame * 1500 x 1500	Quick-Pit Frame * 2000 x 1500	Quick-Pit Frame * 2000 x 2000	Quick-Pit Frame * 2500 x 2000
Dimensions	W (mm)	1096	1096	1346	1596	1596	1596	1596	2096	2096
	L (mm)	1096	1346	1596	1596	2096	1596	2096	2096	2596
	H (mm)	88						114		
Material	Painted carbon steel / Glass blast 304 Stainless steel									

Ramps

Ramps allow easy access from any side of a scale, eliminating the need to lift heavy loads onto the platform.

Model		Ramp 1000	Ramp 1250	Ramp 1500	Ramp 2000	*Ramp 1500	*Ramp 2000
Dimensions	W (mm)	1000	1250	1500	2000	1500	2000
	H (mm)	78				104	
	L (mm)	745				1000	
Material		Painted Carbon Steel / Glass Blast Stainless Steel					
Top Plate		Smooth plate (Carbon Steel) / Smooth plate (Stainless Steel)					

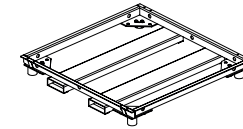


* Use for 104 mm platforms

Options / Accessories

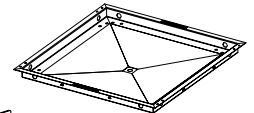
Forklift Channel Frame

This frame makes it easy to move the scale with a forklift. Simply slide the forks into the channels and lift. The heavy-duty frame protects the scale from damage. lift heavy loads onto the platform.



Pit Liner

A Pit Liner keeps the pit cleaner and more sanitary.



Scale Guard

Protect your scale from side-impact damage with scale guards. When a forklift hits the side of a scale, the impact can bend the scale's frame or damage its load cells. The angled guard prevents damage by deflecting the impact upward. Scale guards can be used on any or all sides of a floor scale.



Article Number	Designation
Mild Steel Painted Scale Guards - Colour Blue	
30473850	Scale Guard mild steel 1000 mm
30473851	Scale Guard mild steel 1250 mm
30473852	Scale Guard mild steel 1500 mm
30473853	Scale Guard mild steel 2000 mm
30473854	Scale Guard mild steel 2500 mm
Mild Steel Painted Forklift Frames - Colour Blue	
30473855	Forklift Frame mild steel DS 1000 x 1000mm
30473856	Forklift Frame mild steel D 1250 x 1000mm
30473857	Forklift Frame mild steel E 1500 x 1250mm
30473918	Forklift Frame mild steel ES 1500x1500mm
304L Stainless Steel Guards	
30473919	Scale Guard stainless steel 1000mm
30473920	Scale Guard stainless steel 1250mm
30473921	Scale Guard stainless steel 1500mm
30473922	Scale Guard stainless steel 2000mm
30473923	Scale Guard stainless steel 2500mm
304L Stainless Steel Pit Liners	
30473924	Pit Liner stainless steel DS 1000x1000mm
30473925	Pit Liner stainless steel D 1250x1000mm
30473926	Pit Liner stainless steel E 1500x1250mm
30473927	Pit Liner stainless steel ES 1500x1500mm

Pit Frame	Article Number	Designation		
Carbon steel	H1	30467783	Pit Frame PFD774 100100H80 ACC	
		30467793	Pit Frame PFD774 100125H80 ACC	
		30467794	Pit Frame PFD774 125150H80 ACC	
		30467795	Pit Frame PFD774 150150H80 ACC	
		30467796	Pit Frame PFD774 150200H80 ACC	
	H2	30467797	Pit Frame PFD774 150150H112 ACC	
		30467798	Pit Frame PFD774 150200H112 ACC	
		30467799	Pit Frame PFD774 200200H112 ACC	
		30467800	Pit Frame PFD774 200250H112 ACC	
		Stainless steel	H1	30467756
30467757	Pit Frame PFD779 100125H80 ACC			
30467758	Pit Frame PFD779 125150H80 ACC			
30467759	Pit Frame PFD779 150150H80 ACC			
30467760	Pit Frame PFD779 150200H80 ACC			
H2	30467779		Pit Frame PFD779 150150H112 ACC	
	30467780		Pit Frame PFD779 150200H112 ACC	
	30467781		Pit Frame PFD779 200200H112 ACC	
	30467782		Pit Frame PFD779 200250H112 ACC	
	Ramp		Article Number	Designation
Carbon steel	H1	30467834	Ramp CS PFD774 R1000x745x80 ACC	
		30467844	Ramp CS PFD774 R1250x745x80 ACC	
		30467845	Ramp CS PFD774 R1500x745x80 ACC	
		30467846	Ramp CS PFD774 R2000x745x80 ACC	
	H2	30467847	Ramp CS PFD774 R1500x1000x102 ACC	
		30467848	Ramp CS PFD774 R2000x1000x102 ACC	
	Stainless steel	H1	30467801	Ramp SS PFD779 R1000x745x80 ACC
			30467802	Ramp SS PFD779 R1250x745x80 ACC
			30467830	Ramp SS PFD779 R1500x745x80 ACC
			30467831	Ramp SS PFD779 R2000x745x80 ACC
30467832			Ramp 1500x1000x104-SS ACC	
30467833			Ramp 2000x1000x104-SS ACC	

H1 =78mm, H2= 104mm

www.mt.com/PowerDeck

For more information

METTLER TOLEDO Group

Industrial Division

Local contact: www.mt.com/contacts



Subject to technical changes

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