

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.



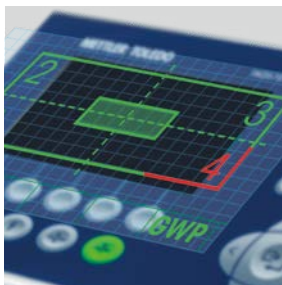
Rugged, Safe & Precise

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	500	600	1000	1200	1500	2000	3000	5000	6000	10000	12000
Height (H)	mm	78	78	78	78	78	78	78	78	78	78	104/112*	104/112*
Sizes A x B, See below Dimensional Drawing													
0.8 x 0.8	[m]	●	●	●	●	●	●	●	●				
1.0 x 1.0	[m]	●	●	●	●	●	●	●	●				
1.25 x 1.25	[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]						●	●	●	●	●	■	■
Approved Accuracy Class III Single Range													
3,000e	[kg]	0.1		0.2			0.5		1		2	5	5
6,000e	[kg]	0.05		0.1		0.2			0.5		1	2	2
10,000e	[kg]		0.05		0.1			0.2		0.5		1	
Recommended Readability (min.)													
15,000d	[kg]	0.02					0.1		0.2				
20,000d	[kg]				0.05			0.1				0.5	
25,000d	[kg]		0.02							0.2			
30,000d	[kg]	0.01		0.02			0.05		0.1		0.2		
50,000d	[kg]		0.01		0.02					0.1		0.2	
60,000d	[kg]			0.01		0.02			0.05		0.1		0.2
Maximum Permissible Error at Maximum Load (Limit Values, Approved Platforms only)													
3,000e	[kg]	0.15		0.3			0.75		1.5		3	7.5	7.5
6,000e	[kg]	0.075		0.15		0.3			0.75		1.5	3	3
10,000e	[kg]		0.075		0.15			0.3		0.75		1.5	
Minimum Capacities (Approved Platforms only)													
3,000e	[kg]	2		4			10		20		40	100	100
6,000e	[kg]	1		2		4			10		20	40	40
10,000e	[kg]		1		2			4		10		20	
Minimum Weight typ. **													
	[kg]	2	2	2	4	4	8	8	8	40	40	60	60
Typical Values ***													
Repeatability (at max. load)	[g]	10	10	10	20	20	40	40	40	200	200	300	300
Linearity deviation (at half load)	[g]	10	10	10	20	20	30	30	30	300	300	300	300
Linearity deviation (at full load)	[g]	10	10	10	50	50	80	80	80	100	100	300	300
Maximum Static Safe Load(kg)													
Central load	[kg]	750	750	750	2000	2000	2000	3000	4000	7500	7500	15000	15000
Side load	[kg]	400	400	400	1000	1000	1000	2000	2000	4000	4000	7000	7000
Corner load	[kg]	200	200	200	500	500	500	1000	1000	2000	2000	4000	4000

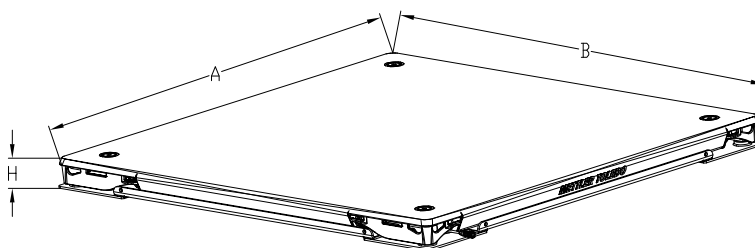
* Platform Height is 112 mm for 10,000e or 50,000d / 60,000d option.

**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 / 112



PowerDeck™ Floor Platform Preload Range

Scale Maximum Capacity			Total Preload											
			300	500	600	1000	1200	1500	2000	3000	5000	6000	10000	12000
Platform Size	0.8 x 0.8 m	[kg]	435	195	1.395	915	675	2.515	1.915	715				
	1.0 x 1.0 m	[kg]	410	160	1.370	880	640	2.490	1.880	690				
	1.25 x 1.25 m	[kg]	350	560	1.310	830	590	2.430	1.830	630				
	1.5 x 1.25 m	[kg]	320		1.280	800	560	2.400	1.800	600				
	1.5 x 1.5 m	[kg]	280		1.240	740	500	2.360	1.740	4.940	2.540	1.360	5.240	2.890
	2.0 x 1.5 m	[kg]	220		1.180	700	460	2.300	1.700	4.900	2.500	1.300	5.200	2.890
	2.0 x 2.0 m	[kg]						2.200	1.600	4.800	2.400	1.200	5.200	2.890



PowerDeck™ Floor Scale General Specification

Model		PFD774	PFD779
Platform Material	Mild steel powder coated, blue	▲	
	Stainless Steel AISI304		▲
	Stainless Steel AISI316L		▲*
Platform Surface	Stainless Steel AISI304, glass bead blasted Ra < 3.2 µm		▲
	Stainless Steel AISI304, polished, Ra < 0.8 µm		▲*
Top Deck Plate	Smooth	▲*	▲
	Pattern	▲	▲*
Compliance	Metrology	OIML Class III, NTEP Class III, CMC 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 14ATEX0030 X 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/I,II/2/ABCDFG/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(245H5), IND570PowerCell(T57000H5), IND780PDX IND570xxPowerCell	
Ingress Protection of Platform		IP68 / IP69K	
Scale Interfaces		POWERCELL® CanOpen Network	

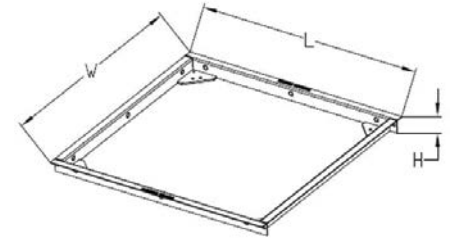
* Specify when ordering



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		Pit Frame 800 x 800	Pit Frame 1000 x 1000	Pit Frame 1250 x 1250	Pit Frame 1500 x 1250	Pit Frame 1500 x 1500	Pit Frame 2000 x 1500	Pit Frame 2000 x 2000	Pit Frame* 1500 x 1500	Pit Frame* 2000 x 1500	Pit Frame* 2000 x 2000
Dimensions	W (mm)	896	1096	1346	1346	1596	1596	2096	1596	1596	2096
	L (mm)	896	1096	1346	1596	1596	2096	2096	1596	2096	2096
	H (mm)	90							114/122**		
Material		Powder coated carbon steel / Glass blast Stainless steel									

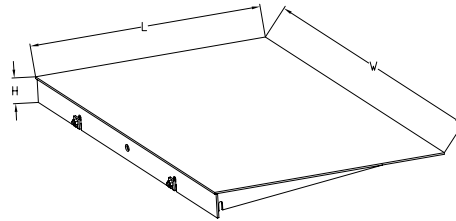
*Use for models which marked with ■ in previous page.

** Height 122 mm quick-pit frames use for height 112 mm platforms.

Options / Accessories

Ramps

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



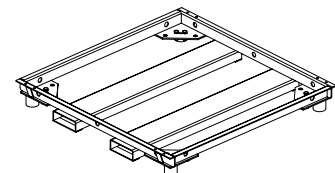
Model		Ramp 800 mm	Ramp 1000 mm	Ramp 1250 mm	Ramp 1500 mm	Ramp 2000 mm	Ramp* 1500 mm	Ramp* 2000 mm	Ramp** 1500 mm	Ramp** 2000 mm
Dimensions	W (mm)	800	1000	1250	1500	2000	1500	2000	1500	2000
	H (mm)	80					104		114	
	L (mm)	745					100			
Material		Powder coated Carbon Steel / Glass Blast Stainless Steel								
Top Plate		Pattern plate Carbon Steel) / Smooth plate (Stainless Steel)								

*Use for 104 mm platforms

**Use for 112 mm platforms

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.

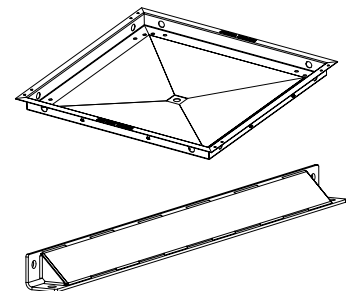


Pit Liner

Pit Liner makes the pit more clean and 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.



www.mt.com/PowerDeck

For more information

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Industrial Division

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Subject to technical changes

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