

Upgrade to POWERCELL® Technology Improved Uptime and Accuracy



Upgrade Installed Base

Existing weighing installations using FlexMount™ or CenterLign™ weigh modules underneath tanks, silos, hoppers, conveyors or any other customized solutions can be upgraded with POWERCELL® technology. The SLB615D POWERCELL® improves their uptime, functionality and accuracy.



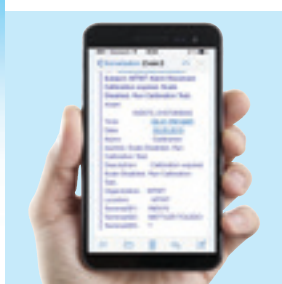
Predictive Diagnostics

The on-board microprocessors inside the POWERCELL® load cell adjust the weighing signal to compensate for environmental changes. That allows accurate weighing regardless of the effects of temperature, linearity, hysteresis and creep.



Fast Installation

POWERCELL® load cells are connected in a daisy-chain network. The IP68/IP69K-protected quick-release connectors make maintenance and installation fast and easy. It also eliminates junction boxes. The entire system design supports the replacement of load cells and cables without labor-intensive recalibration.



Alerts to Mobile Devices

The PowerMount™ technology continuously reads the load-cell signal to verify proper functionality. Operators can be alerted to variances with an email, text message or log file entry, depending on preference. That helps users to avoid poor quality, waste and downtime.



Upgrade Kit to POWERCELL® for installed Weigh Modules

POWERCELL® weighing technology offers high accuracy combined with real-time diagnostics to avoid downtime caused by unnoticed faults. The technology is also available within existing installations using 0958 FlexMount™ or 0958 CenterLign™ weigh modules.

- SLB615D POWERCELL® load cells from 220– 4.400kg substitute the 0745A load cell in 0958 FlexMount™ and 0958 CenterLign™ weigh modules.
- Legal for trade approvals include: OIML: C3, C6, C10 and NTEP: IIIM n:5, III Mn:10
- Hazardous-area approvals: ATEX, FM
- No need for junction boxes increases uptime
- Plug-and-play cables speed up installation and reduce repair time
- CalFree™Plus is available for easy calibration without test weights and future exchange of load cells without re-calibration

SLB615D POWERCELL® Specifications

Load Cell	Unit of Measure	Specification													
		72261196	72261209	72261204	72261197	72261210	72261205	72261198	72261211	72261206	72261199	72261212	72261207	72261200	72261195
Item No.		SLB615D POWERCELL® 4) 5)													
Model No.		SLB615D POWERCELL® 4) 5)													
Rated Capacity (R.C.)	kg (lb, nominal)	220 (500)			550 (1250)			1100 (2500)			2200 (5000)			4400 (10000)	
External resolution	Counts @ R.C.	220,000			550,000			1,100,000			2,200,000			440,000	
External resolution tolerance	%	± 0.04	± 0.02		± 0.04	± 0.02		± 0.04	± 0.02		± 0.04	± 0.02		± 0.04	± 0.02
Zero load Output	%R.C.	< 0.1													
Combined Error 1) 2)	%R.C.	C3/III M n:5: ≤ 0.018 / C6/III M n:10: ≤ 0.012 / C10: ≤ 0.007													
Temperature Effect on	Min. Dead load Output	C3/III M n:5: ≤ 0.0014 (0.0008) / C6/III M n:10: ≤ 0.0007 (0.0004) / C10: ≤ 0.0007 (0.0004)													
	Sensitivity 2)	C3/III M n:5: ≤ 0.001 (0.0006) / C6/III M n:10: ≤ 0.0005 (0.0003) / C10: ≤ 0.0003 (0.0002)													
Temperature Range	Compensated Operating	-10 ~ +40 (+14 ~ +104)													
	Safe Storage	-40 ~ +65 (-4 ~ +150)													
		-40 ~ +80 (-40 ~ +176)													
OIML / European Approval 3)	Class	C3	C6	C10	C3	C6	C10	C3	C6	C10	C3	C6	C10	C3	C6
	nmax	3000	6000	10000	3000	6000	10000	3000	6000	10000	3000	6000	10000	3000	6000
	Vmin	0.025	0.1		0.5	0.025		0.1	0.05		0.25	0.1		0.5	0.25
NTEP Approval 3)	Class	III M n:5	III M n:10	-	III M n:5	III M n:10	-	III M n:5	III M n:10	-	III M n:5	III M n:10	-	III M n:5	III M n:10
	nmax	5'000	10'000	-	5'000	10'000	-	5'000	10'000	-	5'000	10'000	-	5'000	10'000
	Vmin	0.05	0.025	-	0.1		-	0.25		-	0.5		-	1.0	
ATEX Approval 3)	Rating	II 3 G Ex nA IIC T6 Gc / II 3 D Ex tc IIIC T85°C Dc													
Factory Mutual Approval 3)	Rating, USA	NI / I, II, III / 2 / ABCDEFG / T6 Ta = 55°C													
	Rating, Canada	NI / I, II / 2 / ABCDEFG / T6 Ta = 55°C / DIP / III / 2 / T6 Ta = 55°C													
Supply Voltage Non-regulated	Range (nominal)	V DC 10 ~ 26													
Overvoltage Protection (IEEE4-95)	Max. Tested	A 2000 (no outdoor lightning conditions)													
Effective System Update Rate (4 load cells)		Hz 40													
Material	Spring Element	stainless steel													
	Type	welded													
Protection	IP Rating	IP68, IP69K													
	NEMA Rating	NEMA 6/6P													
Deflection @ R.C., nominal	mm (in)	0.16 (0.006)			0.25 (0.01)			0.32 (0.013)			0.43 (0.017)			0.72 (0.028)	
Weight, nominal	kg (lb)				1 (2.2)						1.3 (2.9)			2.2 (4.8)	

1) Error due to the combined effect of non-linearity and hysteresis.

2) Typical values only. The sum of errors due to Combined Error and Temperature Effect on Sensitivity comply with the requirements of OIML R60 and NIST HB44.

3) See certificate for complete information.

4) Max. 14 load cells / terminal

5) Max. total cable length 90-300m depending on no. of LC and Terminal

Order Information Load Cell

Rated Capacity	Description	Class	Item number
220kg / 500lb	SLB615D POWERCELL® model no.	C3 / 5,000 NTEP	72261196
		C6 / 10,000 NTEP	72261209
		C10	72261204
550kg / 1,250lb		C3 / 5,000 NTEP	72261197
		C6 / 10,000 NTEP	72261210
		C10	72261205
1100kg / 2,500lb		C3 / 5,000 NTEP	72261198
		C6 / 10,000 NTEP	72261211
		C10	72261206
2200kg / 5,000lb	C3 / 5,000 NTEP	72261199	
	C6 / 10,000 NTEP	72261212	
	C10	72261207	
4400kg / 10000lb	C3 / III M n:5	72261200	
	C6 / III M n:10	72261195	

Bolded entries are stocked

Order Information Upgrade Kit

Description	Replacement for	Item number
POWERCELL® Upgrade Kit 0958CL CS 1.1T	0958 CenterLign™, carbon steel from 220kg to 1,100kg (500lbs - 2.500lbs)	30236170
POWERCELL® Upgrade Kit 0958CL CS 2.2T	0958 CenterLign™, carbon steel for 2,200 kg (5.000lbs)	30236171
POWERCELL® Upgrade Kit 0958CL CS 4.4T	0958 CenterLign™, carbon steel for 4,400kg (10.000lbs)	30236172
POWERCELL® Upgrade Kit 0958CL SS 1.1T	0958 CenterLign™, stainless steel from 220kg to 1,100kg (500lbs - 2.500lbs)	30236173
POWERCELL® Upgrade Kit 0958CL SS 2.2T	0958 CenterLign™, stainless steel for 2,200kg (5.000lbs)	30236174
POWERCELL® Upgrade Kit 0958CL SS 4.4T	0958 CenterLign™, stainless steel for 4,400kg (10.000lbs)	30236175
POWERCELL® Upgrade Kit 0958FM CS 1.1T	0958 FlexMount™, carbon steel from 220kg - 1,100kg (500lbs - 2.500lbs)	30236176
POWERCELL® Upgrade Kit 0958FM CS 2.2T	0958 FlexMount™, carbon steel for 2,200 kg (5.000lbs)	30236177
POWERCELL® Upgrade Kit 0958FM CS 4.4T	0958 FlexMount™, carbon steel for 4,400kg (10.000lbs)	30236178
POWERCELL® Upgrade Kit 0958 FM SS 1.1T	0958 FlexMount™, stainless steel from 220kg - 1,100kg (500lbs - 2.500lbs)	30236179
POWERCELL® Upgrade Kit 0958FM SS 2.2T	0958 FlexMount™, stainless steel for 2,200kg (5.000lbs)	30236180
POWERCELL® Upgrade Kit 0958FM SS 4.4T	0958 FlexMount™, stainless steel for 4,400kg (10.000lbs)	30236181

Bolded entries are stocked



Upgrade kit for 0958 FlexMount™



Upgrade kit for 0958 CenterLign™

Each upgrade kit consists of:

- Load Cell bolts
- Hardened Load Cell Spacer
- Load Pin
- Gasket
- Lubrication Packet
- Upgrade Instructions

Order Information Pre-configured Plug & Play Cables



Load Cell Cable



Home Run Cable



Bus Termination

Description	Cable, Material / Length / Item number					
	PU / 5m (16.4ft)	PU / 10m (32.8ft)	PU / 15m (49.2ft)	PU / 20m (65.6ft)	PU / 30m (98.4ft)	PU / 50m (164ft)
Cable Kit, 3 Load Cells	30765515	30765516	–	–	–	–
Cable Kit, 4 Load Cells	30765517	30765518	–	–	–	–
Load Cell Y-Cable	30765513	30765514	–	–	–	–
Home Run Cable	30765519	30208862	30765520	30765521	30095713	30095714
Extension Cable	30095636	30095637	–	–	–	–
CAN Termination	30207923					

Bolded entries are stocked

Home Run Cable SLB615D POWERCELL®

Colour	Function
Yellow	Shield
Blue	CAN_L
White	CAN_H
Red	+ V
Black	– V

Watch the video about Upgrading existing weighing installations under: www.mt.com/ind-wm-upgrade



Full Connectivity

METTLER TOLEDO supplies various data communication interfaces that enable our sensors and instruments to communicate with your PLC, MES, or ERP systems.



METTLER TOLEDO Service

Our extensive service network is among the best in the world and ensures maximum availability and service life of your product.

Weighing Electronics

METTLER TOLEDO offers a complete family of electronics from simple weighing to application solutions for filling, stock control, batching, formulation, counting, and checkweighing.



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Environment certificate ISO 14001

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Printed in Switzerland MTSI 30246732
MarCom Industrial

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