

# POWERCELL® GDD®

## Smart Digital Load Cell



METTLER TOLEDO



## Benefits of POWERCELL® GDD® Higher Quality, Lower Cost

POWERCELL® GDD® digital load cells offer a vast improvement in weighing accuracy when compared to many other solutions, providing METTLER TOLEDO quality at an economical price.

### Improved Accuracy

Advanced signal processing removes errors caused by temperature, loading cycle, loading time, and signal noise.

### Simple Connectivity

Cables are securely attached to the load cells at the factory for easy installation.

### Outstanding Performance

Digital signal processing enables premium weighing, especially when compared to traditional analog technology.

### Advanced Diagnostics

Diagnostic capabilities make individual load cell outputs visible from the terminal, simplifying problem identification and repair.

### Multiple Applications

GDD load cells provide reliable weighing for even the heaviest applications. The smart design enables performance in the most forbidding climates, from the tropics to the polar regions.

## Technical Specifications

<b>Material</b>	Stainless steel
<b>Metrology</b>	OIML C3, NTEP IIIIL 10,000
<b>Protection Rating</b>	IP68 / 69k
<b>Lightning Protection</b>	29,000 A
<b>Model</b>	SLC720
<b>Load Cell Type</b>	Column compression, Digital weight processor



## Benefits of POWERCELL® GDD® Reliable Vehicle Weighing

POWERCELL load cells have a proven history of accurate and reliable performance. POWERCELL GDD takes this reliability to the next level, keeping you continually informed about your scale's performance.

### Lightning Protection

Equipped with protection from lightning and other environmental threats to enable high uptime and reduce maintenance costs.

### Debris-Free Weighing

A debris shield keeps the lower end of the rocker column free of debris and stones that can affect weighing accuracy.

### Durable Construction

The stainless-steel construction is laser welded to provide IP68 and IP69K protection for survival in harsh environments.

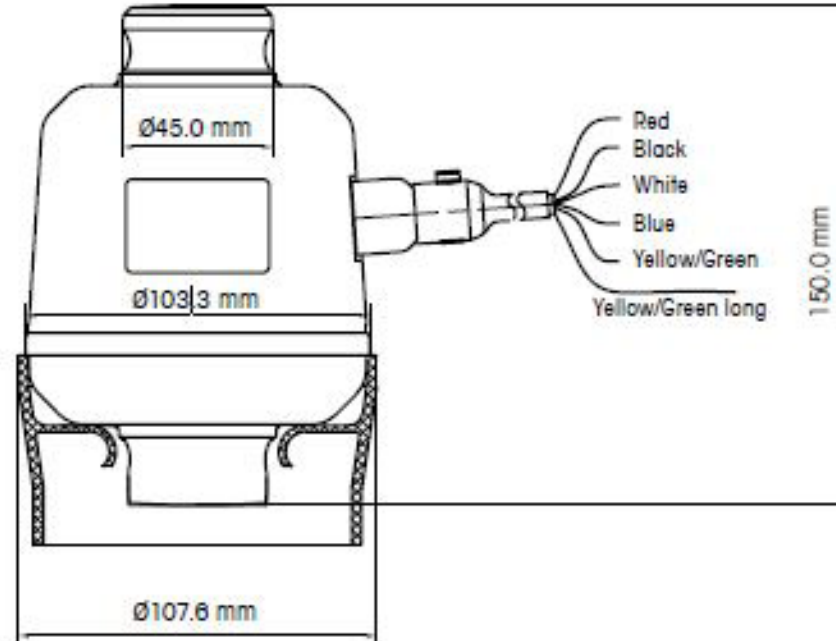
### Rocker-Column

An integral rocker-column suspension automatically aligns the load cell for accurate weighing.

### Simple Upgrade

Load cell conversion for existing scales gives easy access to all the benefits of POWERCELL GDD for most makes and models of truck scales.

## POWERCELL GDD Load Cell Dimensions: mm (in)



Cable Color	Code
Red	VIN
Black	GND
White	CANH
Blue	CANL
Yellow/Green	CGND
Yellow/Green long	SHIELD







Parameter		Unit of Measure	Specification		
Rated Capacity (R.C.)		† (klb, nominal)	20	30	50
European/OIML Approvals*	Standard		OIML R60		
	European Test Certificate		TC8298		
	OIML Certificate of Conformity		R60/2000-NL1-12.53		
	Class		C3		
	n <sub>max</sub> (OIML)		3,000		
	Y**	kg/kg	6,061	6,383	8,772
	V <sub>min</sub> (OIML)	kg	3.3	4.7	5.7
	PLC		0.8		
	Humidity Symbol		CH (Hermetic Seal)		
	Min. Dead Load	kg	50		
NTEP Approval*	Standard		NIST Handbook 44		
	Certificate Number		NTEP 13-010		
	Class		III L-M		
	n <sub>max</sub> (HB44)		10,000		
	V <sub>min</sub> (HB44)	kg	1.2	1.8	2.2
	Min. Dead Load	kg	50		
Cable Length, Load Cell		m	13 (attached)		
Cable Length, Home Run		m	8 to 150 in selected pre-terminated lengths		
Cable Material	Cable, Load Cell		Double shield, 4 wires		
	Cable, Home Run		Double shield, 5 wires		
Supply Voltage Regulated in the Cell	Typical	V DC	24		
	Minimum / Maximum	V DC	10/26.4		

\*See certificate for complete information.

\*\* Y = E<sub>max</sub>/V<sub>min</sub>



Parameter		Unit of Measure	Specification		
Rated Capacity (R.C.)		† (klb, nominal)	20	30	50
Lightning Protection*	Max (tested)	A	29,000		
Material	Spring Element		Stainless Steel (magnetic)		
	Enclosure		Electropolished 304 Stainless Steel		
	Low-Profile Receivers		Stainless Steel (magnetic)		
	Anti-Rotation		Integral, 6-Point Hexagonal Mount		
	Cable Entry Fittings		Stainless, Laser Welded, Glass-to-Metal Seal		
Protection	Type		Hermetic (submersible)		
	IP Rating		IP68 & IP69k		
Load Limit	Safe	%R.C.	200		
	Ultimate	%R.C.	250		
Safe Dynamic Load		%R.C.	70		
Fatigue Life		cycles @R.C.	>1,000,000		
Direction of Loading			Compression (↓)		
Shipping Weight		kg	3.7	3.9	4.1

\*Testing by Lightning Technologies (NTS, Inc.) with Lightning Protection Kit. Patents pending, POWERCELL® is a trademark of METTLER TOLEDO.

# Weighbridge Service Solutions

## Tailored to Fit Your Needs

METTLER TOLEDO Service delivers resources to enhance your efficiency, performance, and productivity. Explore our service offerings below or reach out to your local METTLER TOLEDO representative to find the best fit for you.



### Warranty Coverage

All warranties are not created equal. Coverage can vary greatly from one supplier to the next. It is critical to ask about parts, labor, travel, calibration, environmental protection, stipulations, and more when exploring various warranty offerings.



### Performance Upgrades

Load cells, indicators, peripherals, and software upgrades enhance the accuracy, reliability, and functionality of your truck scale beyond its current capabilities. With POWERCELL® upgrade and conversion kits, you can protect profitability and extend the life of your asset, all at a fraction of the cost of a new scale.



### Professional Installation

Establish full confidence in your equipment from day one. Our expert technicians execute installation and testing, full system setup and calibration, setup of standard operating parameters, and user and maintenance familiarization. Simplify compliance with site, regulatory, and quality requirements.



### Asset Maintenance

Regular maintenance enables reliable performance, compliance, and budget control. With insight into asset performance, you can minimize unplanned downtime and maintenance costs. Extend asset life with calibration, powerwashing, replacement of worn parts, and lubricating of the load cells and receivers.



### Care Packages

Care Packages keep your operation running like clockwork. Crafted to cater to your specific needs, our packages provide preventive maintenance, replacement parts, and flexible support options.



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