

Upgrade Existing Vehicle Scales for Highest Accuracy and Reliability



No Junction Boxes

POWERCELL® PDX® load cells connect to one another in a simple network, eliminating high-maintenance junction boxes and costly totalizers. Electronics are located inside the hermetically sealed load cell enclosures, not in junction boxes that are prone to failure and hard to seal against moisture.



Versatile Upgrade

Model VKR211 conversion kits are versatile enough to be installed easily under a variety of existing weighbridges. They use POWERCELL® PDX® load cells to replace older weighing components, such as mechanical lever systems, analog load cells, hydraulic load cells, and previous generations of POWERCELL® load cells.



Durable Cables

All cables are double-shielded with stainless steel protection against environmental and rodent damage. The glass-to-metal load cell connectors form watertight seals. If a cable is damaged, the quick-connect design makes it easy to replace without recalibrating the scale.



Lightning Protection

The specially designed StrikeShield™ lightning protection system helps prevent costly downtime by using multiple levels of protection to safeguard your entire scale system: load cells, cables, and terminal. It is the only system tested by third-party laboratories and verified to withstand multiple direct lightning strikes.



VKR211 Load Cell Conversion Kit

Give your existing weighbridge the advantage of reliable POWERCELL® PDX® technology with a Model VKR211 load cell conversion kit. This easy-to-install kit upgrades a weighbridge by using POWERCELL® PDX® load cells to replace high-maintenance lever systems, analog load cells, and hydraulic load cells. Kits are also available to replace previous generations of POWERCELL® load cells. Combine the VKR211 conversion kit with an IND570 or IND780 terminal and other time-saving options to fully upgrade your vehicle-weighing operation.

POWERCELL® load cells have a proven history of accurate and reliable performance. The new POWERCELL® PDX® load cell takes this reliability to a new level and includes predictive diagnostics to keep you continually informed about your scale's performance.

**Our VKR211 kits are backed
by the industry's finest service
network and most powerful**

10 Year Warranty

METTLER TOLEDO

Technical data

VKR211 Load Cell Conversion Kit

Features	Benefits
POWERCELL® PDX® Load Cell	Strong digital signal provides accurate weighing. On-board microprocessor continually compensates for external factors to achieve highest accuracy. Predictive diagnostics simplify service and maintenance. No junction boxes to fail because of moisture penetration.
Self-Aligning Suspension	Provides accurate, repeatable weighing.
Compression Mounting	Simple design with no mechanical levers or extra components to become worn or misaligned.
Stainless Steel Cables	Durable cables keep working in harsh conditions.
Glass-to-Metal Connectors	Maintain a watertight seal to keep out damaging moisture.

Load Cell Specifications	
Capacities	30t (66K), 50t (110K), 90t (200K)
Suspension	Rocker column, compression
Material	Canister: 304 stainless steel Load element: 17-4 PH stainless steel
Environmental Protection	IP68 submersion, IP69K high-pressure spray
NTEP Approval	NIST H44 IIL-M 10,000d (CC# 08-090)
Lightning Protection	IEC 62305-1; passed laboratory testing at over 80,000 amps (tested with an IND780 terminal and lightning protection kit)

Options

- Riser Base Plates
- DataBridge™ Vehicle Scale Software
- Unattended Terminal
- Remote Display
- Printer
- Traffic Control



ADI155 wireless remote display



METTLER TOLEDO provides the installation, calibration, and maintenance services needed to ensure that your scale weighs accurately and reliably throughout its lifetime.

VKR211 Conversion Kit

Each VKR211 kit contains everything needed to convert a weighbridge to POWERCELL® PDX® technology:

- POWERCELL® PDX® load cells
- Load cell boots
- Cables
- Upper and lower receivers
- Mounting plates and pins (if needed)
- Shims



POWERCELL® PDX® load cell assembly

Powerful Terminals

Improve your weighing operation's profitability by adding a powerful new vehicle scale terminal. METTLER TOLEDO terminals combine advanced capabilities with simple operation, enabling you to do more with your scale and get it done more quickly.



IND780 scale terminal

METTLER TOLEDO Group

Industrial Division
Local contact: www.mt.com/contacts

Subject to technical changes
© 01/2021 METTLER TOLEDO. All rights reserved
Document No. 30499043 A
MarCom Industrial

www.mt.com/vehicle

For more information

