

Upgrade Existing Vehicle Scales for Accurate and Reliable Performance



Versatile Upgrade

Model VKR208 load cell kits are versatile enough to be installed easily under a variety of existing weighbridges. They replace older weighing components, such as mechanical lever systems, analog load cells, hydraulic load cells, and previous generations of POWERCELL® load cells.



Simple Connectivity

POWERCELL® GDD® load cells are equipped with permanently attached cables that connect to a sealed POWERCELL® hub. The cables are armored with braided stainless steel sheathing to protect against environmental and rodent damage.



Superior Diagnostics

POWERCELL® GDD® load cells use advanced diagnostic capabilities to display individual load cell outputs at the scale terminal. This diagnostic data simplifies troubleshooting and enables technicians to identify potential problems before they affect your weighing operation.



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 proven by third-party laboratory tests to withstand multiple direct lightning strikes.



VKR208 Load Cell Kit

Increase the accuracy and reliability of an existing weighbridge with a Model VKR208 load cell kit. This easy-to-install kit upgrades a weighbridge by using POWERCELL® GDD® load cells to replace high-maintenance lever systems, analog load cells, or hydraulic load cells. POWERCELL® load cells have a proven history of accurate and reliable performance. By equipping an existing weighbridge with the latest POWERCELL® technology, a VKR208 load cell kit provides a cost-effective way to improve your weighing operation's performance and productivity.

Our VKR208 kits are backed
by the industry's finest service
network and most powerful
5 Year Warranty

METTLER TOLEDO

VKR208 Load Cell Kit

Load Cell Specifications	
Capacities	Standard: 30t (66K); Custom: 20t (44K), 50t (110K)
Suspension	Rocker column, compression
Cable	Permanently attached 13-meter cable with stainless steel armor
Material	Stainless steel
Environmental Protection	IP68 submersion, IP69K high-pressure spray, high temperature
Approvals	OIML C3 (R60/2000-NL1-12.53) NIST H44 IIL-M 10,000d (CC# 13-010)
Lightning Protection	29,000 amps* (requires a StrikeShield™ kit, which is included only in the VKR208 conversion kit)

* Tested with IND570 terminal

POWERCELL® Hub Specifications	
Material	Stainless steel
Environmental Protection	IP65
Connection	Each hub connects up to six load cells

Features	Benefits
POWERCELL® GDD® Load Cell	<ul style="list-style-type: none"> • Strong digital signal provides accurate weighing. • On-board microprocessor continually compensates for external factors to maintain highest accuracy. • Predictive diagnostics simplify service and maintenance.
Self-Aligning Suspension	Provides accurate, repeatable weighing.
Compression Mounting	Simple design with no mechanical levers or extra components to become worn or misaligned.
Armored Cables	Cables withstand harsh conditions and resist rodent damage.

Options

- StrikeShield™ Lightning Protection Kit
- Riser Base Plates
- Locating Tools
- Remote Display
- DataBridge™ Vehicle Scale Software
- Traffic Control
- Printer
- Unattended Terminal

Powerful Terminals

Select a terminal that is compatible with POWERCELL® GDD® load cells: IND246, IND570, IND780 or a legacy POWERCELL® terminal. Each combines advanced capabilities with simple operation, enabling you to obtain the full benefits of our technology.



IND570 scale terminal

VKR208 Load Cell Kit

A VKR208 kit contains the components needed to upgrade a weighbridge to POWERCELL® GDD® technology:

- POWERCELL® GDD® load cells
- Load-cell debris shields
- POWERCELL® hubs
- Interconnect cables (if multiple hubs are used)
- Upper and lower receivers
- Mounting plates and pins (conversion kits only)
- Shims (conversion kits only)

Note: Home-run cable is not included. Order the correct length separately; maximum is 150 meters (492 feet).



POWERCELL® GDD® assembly



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



Produced in a facility that is



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