

Floor Scales



VERTEX®

2158, EZ-LIFT®, EZ-CLEAN™

Sanitary Floor Scales

Washdown Applications

Quick and Easy Cleaning
for Washdown Environments

METTLER TOLEDO

Durable and Easy-to-Clean Scales for Sanitary Environments

- **100% stainless steel construction**
- **Design provides easy access for cleaning**
- **Scale engine provides precise, repeatable performance**

METTLER TOLEDO supplies floor scales designed specifically for maintaining sanitation in wash-down areas. The rugged VERTEX design and stainless steel construction enable these scales to stand up to tough industrial environments. Plus, the scales simplify the regular cleaning required in facilities such as food processing, chemical processing, and pharmaceutical processing operations. The VERTEX line of floor scales offers a range of options for meeting your weighing and sanitation needs.

2158 Stainless Steel Floor Scale

VERTEX floor scales are available with a 100% stainless steel construction that meets the basic cleaning requirements of wash-down environments. The scale design eliminates hard-to-reach corners, gaps, and other areas where contaminants collect. Our glass-bead surface preparation provides a finish that resists scratching and chemical staining. It is also a very easy surface to clean.

EZ-LIFT® Floor Scale

The EZ-LIFT floor scale combines stainless steel construction with

easy access for cleaning. A single person can lift its hinged platform manually, exposing the scale interior for cleaning. Gas-pressurized lifting struts allow the operator to lift the platform with minimum effort. Cleaning can be performed quickly, and the scale can be placed back in service without recalibration. The scale can be installed in a pit or on top of the floor.

EZ-CLEAN™ Floor Scale

The EZ-CLEAN floor scale is a pit-type scale that combines stainless steel construction with complete access for cleaning. It is equipped with pneumatic cylinders that lift the scale to provide access to the pit and underside of the platform. A single person can handle all operations safely and easily. At the flip of a switch, the entire scale tilts up 45 degrees, exposing all surface areas for cleaning. An automatic safety system restrains the platform if pneumatic pressure is lost. You can lock the pneumatic controls to prevent unauthorized personnel from operating the system. The scale is ready to be used immediately after cleaning, without recalibration.



Heavy Duty

VERTEX floor scales are designed with tough industrial environments in mind. They can handle 100% end loading, making them ideal for use with forklifts and other concentrated-load applications. Each load cell has a mechanical overload stop that protects against damage from accidental overloads. The scales are also built to withstand side impacts. A heavy-duty frame protects the load cells from the damage that side impacts can cause.

Technology Does Make a Difference

Your scale needs to do more than give an accurate weight reading when it's brand new. It needs to give accurate readings time after time, even when used for demanding applications in industrial environments. How do we ensure this high level of performance? METTLER TOLEDO believes that technology is the key. We combine innovative designs with the manufacturing capabilities to turn those designs into precision products. We start with four goals in mind:

- The load cells must provide accurate, repeatable performance
- The design must protect the load cells from damage
- The suspension system must ensure vertical loading
- The scale must be designed for durability

At the heart of each scale is our VERTEX® Scale Engine. It consists of the load cells and the suspension system that transmits weight from the platform to the load cells. We design scale components to perform reliably, without the need for adjustment. And we test our products extensively to ensure that you get a scale you can count on. Take a look at what makes our scales different:

Overload protection stop prevents damage to the load cell. It is an integral part of the load cell, so it never needs adjustment.

100% stainless steel construction provides the durability and cleanability needed for sanitary applications.

Load cells undergo a three-step calibration process to ensure accuracy.

Fixed end and side bumpers protect load cells from side-loading damage. Never needs adjustment.

Rocker pin automatically aligns in blind-hole load point, concentrating all vertical load at one point on the load cell. This type of suspension system is more reliable and durable than threaded connections.

Load cells are hermetically sealed with welded covers to keep out moisture and dirt.

Fixed lower receiver helps keep rocker pin in ideal weighing position. Never needs adjustment.



The EZ-LIFT scale has gas-pressurized struts that make it easy to lift the platform for cleaning.



Pneumatic control and cylinders automatically lift the EZ-CLEAN scale for cleaning.



The EZ-CLEAN scale tilts up 45 degrees to expose the underside and pit for washdown.

Specifications	2158	EZ-LIFT	EZ-CLEAN
Standard Platform Size	3x3 to 5x7 ft (914x914 to 1524x2134 mm)	3x3 to 5x5 ft (914x914 to 1524x1524 mm)	3x3 to 5x7 ft (914x914 to 1524x2134 mm)
Available Capacities	500 to 20,000 lb (300 to 12,000 kg)	1000 to 5000 lb (600 to 3000 kg)	500 to 10,000 lb (300 to 6000 kg)
Platform Height	3 to 4 in (76 to 102 mm)	4 in (102 mm)	Pit is 17 in (432 mm) deep
Standard Construction	304 or 316 stainless steel		
Load Cell Type	Four 350-ohm load cells; hermetically sealed stainless steel		
Load Cell Suspension	Stainless steel rocker pin assembly		
Junction Box	Top access, stainless steel IP69K		
End Loading	100% end loading		
Standard Operating Temp.	14°F to 104°F (-10°C to 40°C)		
Metrological Approvals	NTEP, Measurement Canada, OIML		
Hazardous Area Approvals	FM, CSA, Ex, ATEX		
Shipping Weight	275 to 1200 lb (125 to 545 kg)	275 to 570 lb (125 to 259 kg)	340 to 1200 lb (154 to 545 kg)
Compatible METTLER TOLEDO Instruments	Most METTLER TOLEDO terminals		

Options

- Ramps: standard or low angle
- Scale guards
- Quick-Pit frames
- Columns
- NTEP/OIML load cells standard
- Deck finish: electropolish or mechanical polish Ra 35



IP69K junction box
for extra protection.

EZ-CLEAN Options

- Flush-mount panel control box in lieu of wall mount
- Stainless steel pit liners
- Remote junction box mounting
- High-accuracy validation

www.mt.com/floorscale

For more information

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Produced in a
facility that is

