



Stainless Steel Floor Scale

For Heavy Washdown or Corrosive Environments

- Capacities to 20,000 lbs.
- Shallow Pit Design

SERIES 709 / 710

Weight Management Is Our Business™

A floor scale designed for maximum reliability in the harshest environments



Withstands

- Water, high-pressure washdowns
- Flooding and submersion
- Corrosion from chemicals
- Power surges, RFI, EMI
- Shock and vibrations
- Explosive environments
- Forklift traffic

Industry Applications

- Meat / Poultry / Seafood
- Chemicals / Solvents / Acids
- Food / Beverage / Dairy
- Pharmaceuticals / Cosmetics
- Aerospace / Munitions
- Paper / Printing / Ink / Paint
- Custom applications
- All process industries



The Models 709 and 710 are extremely rugged floor scales, designed for accuracy and maximum durability, even in the harshest environments. A special version of this scale is permanently submerged in salt water at Sea World to weigh Killer Whales.

The series 709 uses the NTEP certified model 102 load cell, while the series 710 uses the model 136-10 PermaCell™. Both load cell models have the most extensive guarantee coverage in the industry. They are guaranteed for life against failure from water, high pressure wash down, power surges and voltage spikes. Scales and load cells are constructed of Grade 304 stainless steel.

These scales are also designed for maximum clean-ability. The deck panels slide off for total cleaning access to the scale understructure and pit, or can be raised with gas-assisted springs. They can even be raised automatically with a pneumatic power-lift option. The scale never needs to be lifted out of the pit for service or daily cleaning.

Customer Benefits

- Lifetime load cell guarantee against failure from water and electrical damage!
- Shallow pit (less than 7 inches!).
- Easiest cleaning access – slide off or power lift deck options.
- High corrosion resistance – 304 stainless steel construction.
- Lowest cost of ownership – lowest maintenance!
- Built and designed for long life and highest performance.



A scale designed for ergonomics and for easy cleaning

NEVER AGAIN REPLACE LOAD CELLS

BENEFITS & SPECIFICATIONS



Shown with gas-spring "easy lift" option.

Why Hydrostatic?

Electronic load cells, cables and summing boards are vulnerable to damage from water, power surges, corrosion, etc, and are costly to replace. The series 709 / 710 use Emery Winslow's Hydrostatic™ load cells, which are totally non-electronic. All sensitive electronics are eliminated from the scale platform, the area of greatest abuse. There are no electronic components whatsoever in the scale platform or the pit!

The Technology:

Hydrostatic load cells operate on a thin film of oil, sending a high-accuracy pressure signal to a Nema 4X instrument enclosure near the scale (10', 20', 50' away ...). There it is converted to a millivolt signal for operation of common digital instrumentation.

The Benefits:

Dramatically extended scale life and reliability due to the load cells being impervious to failure from water, condensation, flooding, power surges, static charges, rodents, and RFI/EMI. The entire scale is Grade 304 stainless steel with Grade 316 fittings and tubing lines for superior corrosion resistance. Hydrostatic scales also hold calibration far longer than electronic scales.

Lowest Cost of Ownership

A scale with the fewest vulnerable electronic components results in maximum up-time and durability, and dramatic reductions in maintenance, repair and calibration costs. These savings continue year after year, helping your bottom line.

Guarantee:

In addition to the lifetime load cell guarantee, all scale components are guaranteed for two years against defects in material and workmanship.

Structure:

Both the 709 and 710 floor scales share the same structural framework, deck plates and deck-lift options. The series 709 uses an NTEP certified model 102 load cell, with a fabric diaphragm and clevis rods for checking. The load cells are field repairable and have a 2-year guarantee against failure from defects in material and workmanship. The standard deck plate is 1/4 inch with available 3/8 inch for higher capacities.



The series 710 uses the model 136-10 Permacells™, which have a 10-year guarantee against failure from defects in material and workmanship. The 710 is typically used for higher capacity applications or where heavy usage from forklifts is expected. The series 710 scale has a 3/8 inch deck plate as standard. This scale is also available with NTEP Certified 136-20 load cells.

System Integration and Solutions:

Emery Winslow Scale can provide for all your instrumentation and integration requirements. A full line of indicators, remote displays, printers and computer interfaces are available, as well as software. Optional output signals include RS-232, RS-485, 4-20mA Analog Output, Current Loop, Ethernet, Profibus, Fiber Optics, DeviceNet, Etc.

Standard Features:

- Smooth stainless deck plates.
- Rugged tubular frame construction.
- All Grade 304 stainless steel.
- Removable deck panels for easy cleaning.
- Four stainless steel Hydrostatic™ load cells.
- Summing totalizer in Nema 4X FRP enclosure.
- Accessories with Grade 316 stainless steel.
- Explosion-proof platform, without barriers.



A full line of digital indicators are available for all 709

and 710 scales.

Options:

- Tread plate deck (safety/diamond plate).
- Shallow Pit installation kit.
- Pneumatic power-lift or gas spring easy lift deck panels.
- Custom sizes and capacities.
- High-density polypropylene or fiberglass (FRP) deck plates (no gas springs required).
- Special materials (Grade 316, titanium, etc) for extremely corrosive applications.

Emery Winslow Scale Co.

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