

**THE ULTIMATE IN ANIMAL SCALES!**



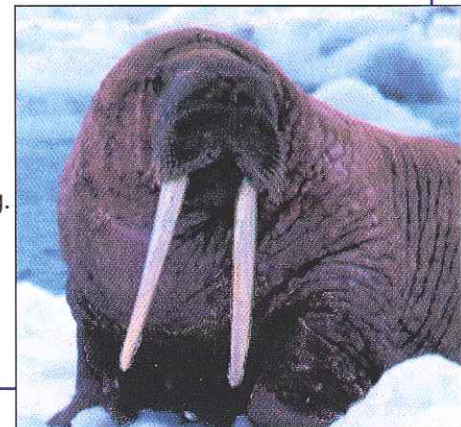
A Killer Whale at SeaWorld slides onto the scale platform to be weighed.

COURTESY SEAWORLD

**A**nimal weight data has become an essential tool for curators and animal husbandry personnel at Zoos, Aquariums and Animal Parks around the world. Emery Winslow has designed and manufactured a wide variety of scales designed specifically for these challenging applications. Our scales are currently being used to weigh Killer Whales, Elephants, Polar Bears, Hippos, Rhinos, Beluga Whales, Lions, Gorillas, Walruses, Giraffes, Dolphins and more. The reliable weight data provided by these scales is critical for monitoring overall animal health, to measure the effectiveness of various diets, and for proper application of medications and supplements.

These scales meet the challenges of harsh environments, which may include physical abuse from the animal, corrosive conditions from animal urine and waste, the effects of water wash-down, and even submersion in salt water. Emery Winslow has met all these challenges with our Hydrostatic™ load cell technology, which eliminates all electronic wiring under the scale platform. These load cells are available in a range of materials, dramatically increasing scale life and reducing maintenance costs.

We can safely install many of these scales in shallow pits, so they become "part of the floor," and therefore invisible to the animal. This permits frequent weighing without the need for special handling. The animals simply walk or slide onto the scale. It also completely eliminates the need for scales that use a hoist and sling, and the resulting stress on the animal from that outdated weighing process.



# SPECIFICATIONS

## Why Hydrostatic™?

Electronic load cells, cables and summing boards are vulnerable to damage from water, power surges, corrosion, welding, and rodents, and are costly to replace.

Hydrostatic™ load cells are totally non-electronic, and therefore immune to most of these elements. All electronic components are eliminated from the scale platform, giving the scale platform great durability in very harsh environments. It also provides extra safety for the animals.

## The Technology:

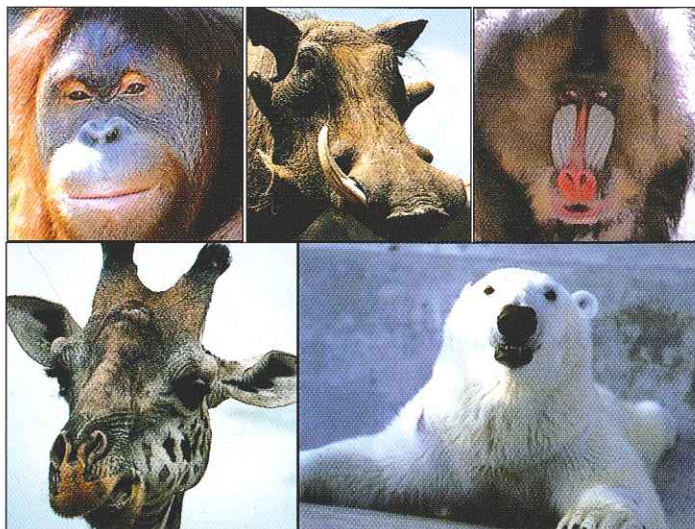
Hydrostatic™ load cells operate on a thin film of fluid, sending a high accuracy pressure signal to a NEMA 4X instrument enclosure near the scale (10', 20', 50' away..). There the signal is converted to electronic, for operation of a standard digital weight readout. The weight data can be sent to a computer or a printer for record keeping.

## The Benefits:

Hydrostatic™ scales offer greatly extended life and reliability, with all sensitive electronics removed from the platform. You can locate these scales where needed without damage concerns. The cost of ownership and maintenance is dramatically reduced. Weight data can be collected with greater frequency, with no stress on the animal, leading to improved health monitoring.

## Warranty:

Hydrostatic™ load cells are guaranteed for Life against failure from water, rodents, or power surges. All scale com-



The elevated scale platform allows access to the understructure for easy cleaning without removing the the scale from the pit. Optional gas springs, right, allow easy, effortless access to the scale.

ponents are also warranted for two years against defects in material and workmanship. Special materials are available for high corrosion applications such as salt-water exposure.

## Weight display:

A variety of digital weight readouts are available and can be housed in NEMA 4X washdown enclosures, remote from the scale platform (see photo at right). Weight data can be sent to a computer or printer if needed.



## Customize your scale:

- Scales are available in almost any size, from 10" x 14" platforms to 10 feet x 20 feet or larger. Capacities from 10 pounds to 20,000 pounds or more!
- The scale structure can be made from mild steel, 304 stainless steel, or grade 316 stainless steel.
- The weighing surface (deck) can be smooth, or tread plate. We can even provide the deck in HDPE (Marine-grade High-Density Polyethylene) which is available in a variety of colors!
- Special designs available for scales exposed or partially submerged in salt water. The load cells can be made with Titanium and Delrin for these applications.
- Deck panels can be fixed, slide-off, or hinged with gas springs for easy cleaning under the scale. No need to lift the whole scale out of the pit!
- Scales can be installed in shallow pits (flush mounting), or above ground (low profile), to best suit the application.



Made in U.S.A.

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