

Toughdeck Platforms



FEATURES

- Low profile
- Rugged construction
- Stainless steel versions available
- Sealed NEMA 4X stainless steel junction box
- 4 double plated, high alloy tool steel load cells
- 2-5-10 thousand pound capacities

DESCRIPTION

PHL platform scales are available in a full range of capacities and sizes for use in many industrial weighing applications. Each platform corner contains a nickel plated, alloy steel shear beam load cell with a shock resistant, rubber and steel foot assembled in place. Individual shear beams are sized and mounted in such a way that the platform can handle the full rated load capacity at any surface point, even the edges. Oversized shear beams (each of the four beams is rated at 50% of platform capacity) prevent platform damage due to 'shock' overloads and vehicle traffic. Adjustable feet allow scale leveling to make up for minor floor/pit irregularities.

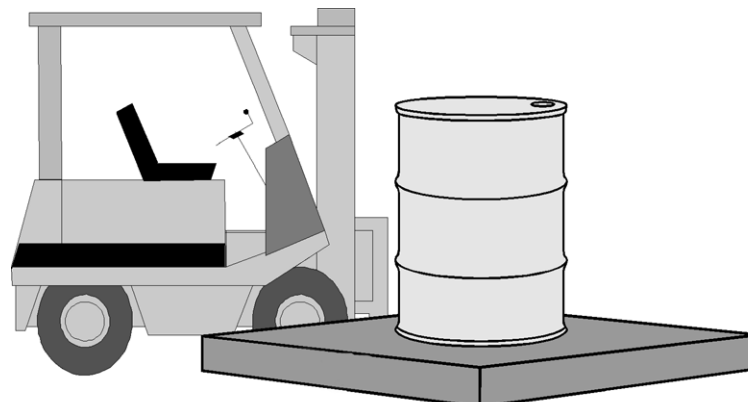
For permanent installations, two of the four feet can be held in place with optional 'Anchor Plates' to guard against deck movement.

Low profile construction (overall height is only 3.25 in.) simplifies installation in pits. Optional loading ramps allow easy access for any floor level PHL application. The heavy duty diamond plate loading surface takes a lot of use (and abuse) from drums, bins, pallets, etc. Optional stainless steel Toughdeck platforms perform well in harsh, wash down areas. Toughdeck platforms are FM approved for Class I and II, Div. 1 and 2 Group A-G hazardous areas.

APPLICATIONS

- Floor scale systems
- Ramp access scales
- Shipping/receiving
- Pit scales
- Drum weighing
- Pallet scales

CONFIGURATION



SPECIFICATIONS

Performance

Capacities	2000, 5000, and 10,000 lb
Rated Output (RO)	1.5mV/V (2K & 5K) 1.875mV/V (10K)
Nonlinearity	0.03% R.O.
Hysteresis	0.02% R.O.
Excitation	10Vdc or Vac (recommended)
Max. Excitation	15Vdc or Vac
Bridge Resistance	350 ohms nominal
Insulation Resistance	5000 megaohms
Electrical Connection	20 M, 6 conductor shielded cable

Temperature

Compensated Range	-15 to 65°C (0 to 150°F)
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Cable Color Code**

Cable Code	Term No.	Function
Red	#7	(+excitation)
Black	#5	(-excitation)
Green	#3	(+ signal)
White	#2	(- Signal)
Bare	#1	(shield)
Blue	#6	(+ sense)
Yellow	#4	(- sense)

** Different from standard VBLH cable color code

Dimensions

Height (All Units)	Cap.	Ship Wt.*
3.00 to 3.25 in. adjustable		
Size (ft)		
2.5x2.5	2K	171 lb
3x3	2K	228 lb
4x4	2K	338 lb
4x4	5K	380 lb
4x4	10K	484 lb
4x5	5K	461 lb
4x5	10K	595 lb
4x6	5K	541 lb
4x6	10K	701 lb
5x5	5K	548 lb
5x5	10K	707 lb
5x6	5K	643 lb
5x6	10K	832 lb
5x7	5K	805 lb
5x7	10K	1010 lb

* includes packing material

Adverse Load Ratings

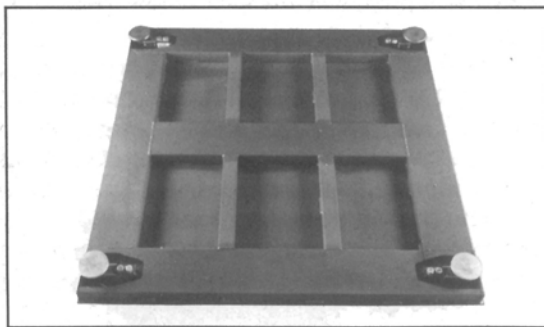
Safe Overload	150% R.O.
End Load	100% R.O.

Approvals

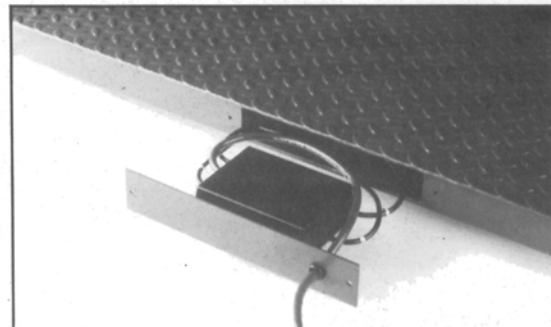
FM (Factory Mutual)	3611 (Class I, II, III; Div.1,2; Groups A-G)
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Materials

Enamel painted mild steel Nickel plated load beams
OPTIONAL: 304 stainless platform with 17-4ph beams



Support Feet Adjust To Installation Surfaces



Integral Junction Box

Built for Rough Environments

Using 6" structural steel channel, PHL platforms are built to take the day-to-day rigors of industrial weighing. Load cell cables are contained within the platform structure to prevent damage. The load cells are recessed within the channel and protected on all sides, yet easily accessed for leveling.

Unique Side Entry 'Integral' J-Box

PHL platforms feature a slide-out summing junction box which is protected from forks and the elements by the 6" steel channel. The cover plate is fastened directly to the steel framing channel by two easily removed screws, providing quick access for service.

Options:

Access Ramps

- 2.5Wx3Lx3.5"H
- 3Wx3Lx3.5"H
- 4Wx3Lx3.5"H
- 5Wx3Lx3.5"H
- 2.5Wx4Lx3.5"H
- 3Wx4Lx3.5"H
- 4Wx4Lx3.5"H
- 5Wx4Lx3.5"H

Pit Frames (ft)

- 2.5Wx2.5L
- 3Wx3L
- 4Wx4L
- 5Wx5L
- 4Wx5L
- 4Wx6L
- 5Wx6L
- 5Wx7L

Anchor Plates

Set of two

(anchor plates hold platform in place when used as a stand-alone floor scale)