

Hardy Lift Deck Floor Scales

Designed for Use In Hazardous Areas

Applications

PROCESS WEIGHING

- Inventory Management
- Batching & Blending
- Dispensing & Filling
- Shipping



Features THE HARDY PROCESS TOOLBOX

The Hardy Process Toolbox is a set of productivity tools that delivers value across process weighing functions. Each tool saves time, increases accuracy, improves efficiency or reduces risk in your process weighing applications.



Electronic calibration without test weights



Weighing system monitoring and troubleshooting



Hardy ADVANTAGE® Load Sensors

- Factory Matched, Stainless Steel with True Hermetic Seals; No Cornering

Capacities Range from 1,000 to 5,000 lbs

Hazardous Area Certification

- Class I, II, III, Div 1 and Div 2

Top Access Summing Card

100% End Loading

Hardy Process Solutions now has a line of lift-deck, hazardous area wash down scales to meet the needs of the most demanding applications.

These process weighing scales combine best-in-class durability with Hardy's Process Toolbox features: weightless calibration (C2®) and operator diagnostics (INTEGRATED TECHNICIAN®). Hardy Lift Deck Floor Scales offer manufacturers multiple ways to reduce their maintenance costs and downtime.

DESIGNED FOR ANY ENVIRONMENT

Hardy Lift Deck Floor Scales are designed and built for industrial environments, including heavy washdown and hazardous areas, with Class I, II, III, Div. 1 & 2 certification. Incredibly easy to install and use with the latest advancements in weighing technology. Just level the deck, attach the included twenty-foot cable, calibrate (if a C2® compatible instrument, set your reference), verify and begin weighing.

Available in three sizes from 36 x 36 inch to 60 x 60 foot in 1, 2, and 5 thousand pound capacities. Hardy Lift Deck floor scales have two handles on the decks for easy lifting to facilitate installation and cleaning.

C2® ELECTRONIC CALIBRATION

With a Hardy weight controller, C2® load sensors enable fast, accurate, electronic calibration without test weights at just a push of a button. The easy-to-use C2® system reduces downtime for installation and repairs and eliminates test weight related safety risks.

INTEGRATED TECHNICIAN®

Each scale has built-in INTEGRATED TECHNICIAN® (IT) circuitry. When coupled with a Hardy controller, the scale provides diagnostic and troubleshooting tools that read individual weights and voltages to aid you in isolating problems. Together, Hardy C2® and IT eliminate the need to open the junction box. The junction box remains sealed reducing the risk of sparks in hazardous areas.

HERMETICALLY SEALED LOAD SENSORS

The heart of any scale is the load sensors. All Hardy Lift Deck floor scales come standard with four matched Hardy ADVANTAGE® IP69K stainless steel, true hermetically-sealed sensors — sealed at both the gauging area and cable entry for long life. All are matched and calibrated for mV/V and mV/V/ohm. This eliminates the need for corner adjustment and potentiometers in the junction box, allowing a sensor to be replaced without calibration. Hardy ADVANTAGE® sensors use a blind hole technique ensuring the load is applied at a precise location to provide an accurate reading, weightment after weightment.

RUGGED, LOW PROFILE DESIGN

Rated for 250,000+ load cycles under normal loading conditions,* these lift deck floor scales are built to last. With a deck height of only 4.2 inches and 100% end loading, Hardy Lift Deck Floor Scales feature a hydraulic system that enables one person to easily lift the deck for cleaning. Durable rubber-based feet are height adjustable from below the platform for easy leveling.

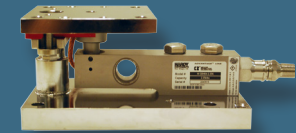
*Contact Hardy for more information

COMPONENTS TO COMPLETE YOUR HARDY SYSTEM:

Hardy Bench Scales, Floor Scales and Load Points

Hardy carries a wide variety of strain gauge load points and scale mounts to accommodate your application requirements.

ADVANTAGE Series with C2 Calibration



Bench & Floor Scales



Weighing Instruments Dedicated to Your Applications

Controllers, Weigh Modules, Weight Processors & Transmitters

Allen-Bradley® Compatible Plug-in Weigh Scale Modules



HI 3000 & HI 4000 Controllers and HI 6000 Series Weight Processors



SPECIFICATIONS

Platform

- 0.25 inch thick smooth or safety tread deck

Height

- 4.2-4.4 inches (10.6 -11.2 cm) adjustable 0.2" or 5 mm

Accuracy

- Combined Error: 0.02%
- Repeatability: 0.01%

Overload Capacity

- 100% of rated scale capacity

End Loading

- 100% of rated scale capacity

Cable Length

- Platform to Instrument - 20 feet (for longer cable lengths, contact the Factory)

Construction

- Stainless Steel - Type 304

Duty Cycle

- +250,000 load cycles under normal loading conditions*

Load Sensor

- IP69K rating for washdown applications
- C2® or manual calibration
- Stainless Steel, hermetically sealed
- blind hole loading

Summing Card Enclosure

- NEMA 4x stainless steel

Power Rating

- 5 VDC, Class 2 source, max. 50 mA

Hardy 6011IT Summing Card

- 4 Individual load sensor terminal blocks with integrated cable glands
- INTEGRATED TECHNICIAN® circuitry
- For Class I and II, Division 1 Hazardous (Classified) Locations, and Class 1, Zone 0 and 2 Groups IIC, Zone 20 and 22 Groups IIIC, power must be supplied through intrinsically safe barriers per control drawing 0594-0010

Scale Excitation

- 5vdc +/-5%

Certifications

- UL, CUL, CE • RoHS and REACH Compliant Hazardous Areas: Class I, Division 1, Groups A, B, C, D, T4; Zone 0, Group IIC, T4; Division 2, Groups A, B, C, D, T5
- Class II, Division 1, Groups E, F, G, T4; Zone 20, Group IIIC; Division 2, Groups F, G, T5
- Class III, Division 1, T4; Division 2, T5

Warranty

- Two Years



STANDARD SIZES AND CAPACITIES

SIZE feet/cm	CAPACITY lb/kg	HEIGHT in/cm	SHIP WEIGHT lb/kg
3' x 3' / 91 x 91	1000/454	4"/10.2 cm	290/131.5
	2000/907	4"/10.2 cm	290/131.5
	5000/2268	4"/10.2 cm	290/131.5
4' x 4' / 122 x 122	1000/454	4"/10.2 cm	440/199.6
	2000/907	4"/10.2 cm	440/199.6
	5000/2268	4"/10.2 cm	440/199.6
5' x 5' / 152 x 152	1000/454	4"/10.2 cm	695/315.2
	2000/907	4"/10.2 cm	695/315.2
	5000/2268	4"/10.2 cm	695/315.2

All sizes and capacities are available with either a smooth or tread deck.

ORDERING OPTIONS

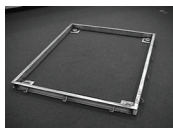
- S Smooth Platform Top
- T Tread Plate Platform Top

HARDY LIFT DECK FLOOR SCALE ACCESSORIES

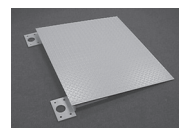
A complete line of

- Instrument Pedestals
- Ramps
- Pit Frames

enable you to easily configure a solution to meet your individual applications



Pit Frames
HI FSLDPF Series



Access Ramps
HI FSLDR Series



Instrument Pedestal
HIFSI-48-SS

*Contact Hardy for further information



Hardy Process Solutions

10075 Mesa Rim Rd.
San Diego, CA 92121
tel. +1-858-278-2900
tel. 800-821-5831
fax +1-858-278-6700
www.hardysolutions.com
hardyinfo@hardysolutions.com



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