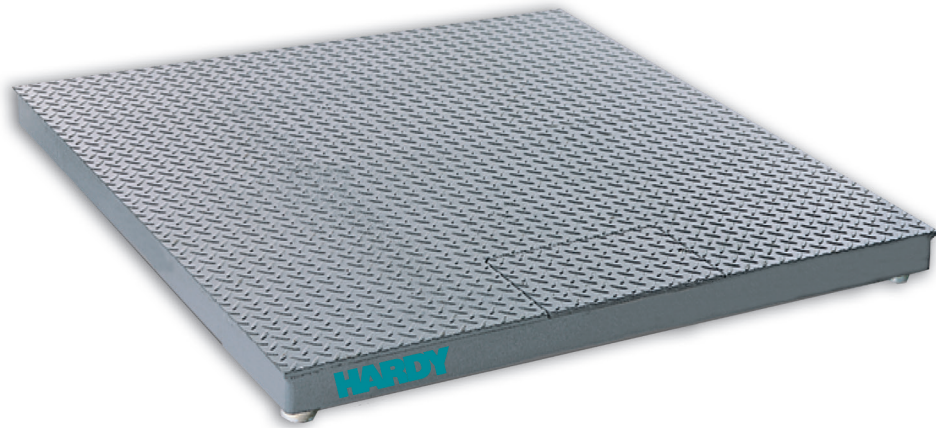


# Hardy Floor Scales

## Applications

### PROCESS WEIGHING

- Inventory Management
- Batching & Blending
- Dispensing & Filling
- Check Weighing
- 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 Cells**

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

**Hazardous Area Certification**

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

**Capacities Range from 1,000 to 10,000 lbs**

**Top Access Summing Card**

**100% End Loading**

Hardy's accurate, rugged and reliable floor scales provide value and flexibility in size and capacity for use in a wide range of industrial weighing applications. Rated for 250,000 load cycles under normal loading conditions,\* they are built to last.

### HAZARDOUS AREA CERTIFICATION

Hardy 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; 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 eight sizes from 30 x 30 inch to 72 x 96 inches in 1, 2.5, 5, and 10 klb capacities, Hardy floor scales have two threaded holes in the decks for attaching eyebolts to facilitate installation and cleaning.

### C2® ELECTRONIC CALIBRATION

Used with a Hardy weight processor or controller, C2 enables fast, accurate, electronic calibration without test weights. The C2 system reduces downtime for installation or repairs and eliminates test weight related injuries.

### INTEGRATED TECHNICIAN®

Each scale has built-in INTEGRATED TECHNICIAN (IT) circuitry. Coupled with a Hardy controller or instrument, the scale provides diagnostic and troubleshooting tools that read individual weights and voltages to aid you in isolating problems and ensure the integrity of your scale system.

### SERVICE BY DESIGN

Along with C2 and INTEGRATED TECHNICIAN, all Hardy floor scales feature a top access plate for quick and easy access to the NEMA 4X summing box containing the Hardy 6011 Summing Card, ensuring that general maintenance is easier and more time-efficient.

### HERMETICALLY SEALED LOAD SENSORS

The heart of any scale is the load sensors. All Hardy floor scales come standard with four matched Hardy ADVANTAGE® 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. Instead of the typical threaded hole into which the load cell foot is attached, the 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

With a deck height of only 4.0 inches and 100% end loading, these floor scales enable easy, any-side access and maneuvering of all types of load handling equipment onto the scale.

Each scale features a field-proven, rugged structural rib design with 1/4 inch thick smooth or diamond plate deck that can withstand overloads of up to 100% of its capacity. Durable rubber encapsulated feet provide easy height adjustment.

\*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

### Deck Height

- 4.0 inches (10.2 cm) (adjustable 0.2" or 5 mm)

### Overload Capacity

- 200% 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

- 304 SS Stainless Steel
- Painted Carbon Steel with Two-part UV resistant Polyurethane - 2 to 4 mil top coat

### Load Sensors

- C2® stainless steel
- hermetic seal
- blind hole loading

### Junction Box

- NEMA 4X

### 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%

### Optional Eye Bolts

- 1/2 - 13 x 1-1/2", 2-1/4" diameter eye

### Duty Cycle

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

\*Contact Hardy for further information

### Accuracy

- Combined Error: 0.02%
- Repeatability: 0.01%

### 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 E, G, T5
- Class III, Division 1, T4; Division 2, T5

### Warranty

- Two year limited warranty

## ORDERING OPTIONS

- PS Painted Steel Platform Top
- SS Stainless Steel Platform Top
- S Smooth Platform Top
- T Tread Plate Platform Top

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## STANDARD SIZES AND CAPACITIES

SIZE (feet/cm)	CAPACITY (lb/kg)	HEIGHT (in/cm)	SHIP (lb/kg)
30" x 30" / 76 x 76	1000/500	3.375"/8.6 cm	200/91
	2500/1000	3.375"/8.6 cm	200/91
	5000/2500	3.375"/8.6 cm	200/91
3' x 3' / 91 x 91	1000/500	3.375"/8.6 cm	250/113
	2500/1250	3.375"/8.6 cm	250/113
4' x 4' / 122 x 122	2500/1250	3.375"/8.6 cm	405/184
	5000/2250	3.375"/8.6 cm	405/184
4' x 5' / 122 x 152	10,000/4500	3.375"/8.6 cm	405/184
	5000/2250	3.375"/8.6 cm	500/227
4' x 6' / 122 x 183	10,000/4500	3.375"/8.6 cm	500/227
	5000/2250	3.375"/8.6 cm	600/272
5' x 5' / 152 x 152	10,000/4500	3.375"/8.6 cm	600/272
	5000/2250	3.375"/8.6 cm	650/295
5' x 7' / 152 x 213	10,000/4500	3.375"/8.6 cm	650/295
	5000/2250	3.375"/8.6 cm	900/408
6' x 8' / 183 x 244	10,000/4500	3.375"/8.6 cm	900/408
	10,000/4500	3.375"/8.6 cm	1150/522

## HARDY FLOORSCALE ACCESSORIES

Enables you to easily configure a solution to meet your individual applications!

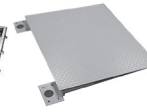
- Ramps
- Pit Frames
- Bumper Guards
- Bolt Down Plates
- Instrument pedestal
- Portability Frames



Instrument Pedestal  
HIFSI-48-SS



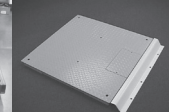
Pit Frames  
HIFSPF Series



Access Ramps  
HIFSR Series



Portability Frames  
HIFSPK Series



Bumper Guards  
HIFSBG Series

Also Available: Lift Deck Scales

# HARDY

## PROCESS SOLUTIONS

Measurement • Automation • Productivity

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