

Hardy Bench Scales

Applications

PROCESS WEIGHING

- Minor Ingredients or Hand-Add applications
- Small Batch Reactor Applications in Chemical/Biochemical
- Machine Filling and Dispensing
- Conveyor Scales
- Product Inspection: Checkweighing,
- Piece Count, Portion Control
- 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 (400 Series)



HARDY Load Sensors

- Stainless Steel or Aluminum
- True Hermetic Seal or Potted
- Corner adjusted

Capacities from 5 lbs to 1,000 lbs

Hazardous: FM IS, Class 1, Div 1

NTEP Certification (200 & 300 Series Only)

Overload Protection

- **300% R.O.* Overload**
- **100% R.O. End Loading**
- **100% R.O. Corner Loading**

(*Rated Output)

Hardy Bench Scales offer the ultimate in product configurability and customization for use in all industrial weighing applications, offering customers the ability to choose the right product at a price that fits their budget. Hardy Bench Scales are available in either stainless or carbon steel base construction, with 304 Stainless Steel platters. Choose between hermetically sealed, IP68/69K, C2 load cells OR environmentally sealed, IP67 load cells with NTEP, depending on your application.

All Hardy Bench Scales come standard in 12"x12", 18"x18", and 24"x24" sizes, and range in capacity from 5lbs – 1,000lbs (2.27kg to 454 kg). Custom sizes and capacities are available upon request. Tell us what will work best for your application and budget, and let us create the solution.

400 Series – HIBS400-xxxx

The 400 Series is Hardy's top of the line industrial bench scale. With all stainless steel construction and a hermetically sealed, IP68/IP69K, FM Hazardous approved, stainless steel Advantage® load cell, the HI BS400 is built for the heaviest wash down applications and corrosive environments. Hardy has built its C2 weight-free calibration technology into every scale, delivering the lowest total cost of ownership on the market. C2 calibration saves time during commissioning and replacement, removes personnel from processing areas, and keeps your process cleaner by eliminating the need for potentially contaminated test weights. No NTEP.

300 Series – HIBS300-xxxx

The Hardy 300 Series is a Hardy's lowest cost stainless steel industrial scale, built to handle light wash down and humid environments. Each bench scale is equipped with an FM approved IP67 Non-C2 aluminum load cell, and comes with NTEP certification standard.

200 Series – HIBS200-xxxx

The 200 Series is Hardy's lowest cost industrial scale, featuring a painted carbon steel base and IP67, Non-C2 aluminum load cell made for use in dry and dusty environments. Each aluminum load cell is FM approved, and the HI BS200 comes with NTEP certification standard.

For seamless integration into your manufacturing control system, attach any of the Hardy Bench Scales to a Hardy Weight Processor or Weight Controller with EtherNet/IP, Profibus-DP, Modbus, or Analog 4-20mA output. Or connect to a Hardy PAC or PLC plug-in weight module for the cleanest installation on the market.

All Hardy Scales can be paired with an optional 12" or 24" Indicator Column for instrument mounting. Hardy Bench Scales are also available with a ball-top platter to streamline roll-on, roll-off weighing applications.



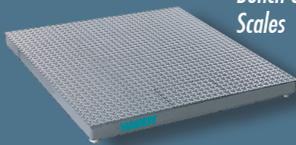
COMPONENTS TO COMPLETE YOUR HARDY SYSTEM

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

Platter Construction

- 304 Stainless Steel (all models)
- Size: 12" x 12", 18" x 18" and 24" x 24" (custom sizes are available)

Deck Height

- 12" x 12": 5, 25, 50, 150 lbs: 3.75" to 4.5" (9.5 to 11.4 cm) adjustable
- 18" x 18": 50, 25, 50, 150 lbs: 3.75" to 4.5" (9.5 to 11.4 cm) adjustable
- 18 x 18": 300, 500 lbs: 5.5" x 6.5" (14 to 16.5 cm) adjustable
- 24" x 24": all capacities 5.5" x 6.5" (14 to 16.5 cm) adjustable

Capacity Range

- 5 lbs to 1000 lbs (2.27 to 454 kg)

Rated Output

- Overload: 300% R.O.
- End loading: 100% R.O.
- Corner loading: 100% R.O.

Cable Length

- Platform to Instrument - 9 to 10 feet nominal (3 meters) (for longer cable lengths, contact the Factory)

Base Construction

- HIBS400 & HIBS300: Stainless Steel
- HIBS200: Painted Carbon Steel

Load Sensors

- HIBS400: C2® stainless steel, hermetically sealed IP68/IP69K
- HIBS300 & HIBS200: Non-C2 aluminum, environmentally potted, IP67

Resolution

- 5000 divisions of scale capacity

Accuracy

- Combined Error: 0.02%

Warranty

- Two year limited warranty

Approvals

- NTEP (HIBS300 and HIBS200 Only)
- FM IS Hazardous Class I, Div 1 Load Cell

Shipping Weight

- 12" x 12": 38 lbs (17.2 kg)
- 18" x 18": 59 lbs (26.8 kg)
- 24" x 24": 104 lbs (47.2 kg)

Hardy Bench Scale Models

HI BS400: Purpose built to handle the toughest industrial applications, ensuring a long life when used in harsh, corrosive, wet or humid environments (IP68/IP69K). 304SS base and platter with stainless steel, hermetically sealed, C2 load cell. FM certified.

HI BS300: Rugged industrial scale with stainless steel construction for use in harsh and wet environments (IP67). 304SS base and platter construction with a Non-C2 Aluminum Load Cell. FM certified, NTEP Certification.

HI BS200: A versatile and cost-effective industrial scale that satisfies a variety of weighing applications in dry environments (IP67). Carbon steel base and 304SS Platter, with a Non-C2 Aluminum Load Cell. FM certified, NTEP Certification.

Standard Sizes and Capacities

Model	Dimensions	Capacity	Safe Load Limit
HIBS_00-1212-5LB	12"x12"	5 lbs/2.268 kg	10 lbs
HIBS_00-1212-25LB	12"x12"	25 lbs/11.34 kg	25 lbs
HIBS_00-1212-50LB	12"x12"	50 lbs/22.68 kg	98 lbs
HIBS_00-1212-150LB	12"x12"	150 lbs/68.04 kg	208 lbs
HIBS_00-1818-50LB	18"x18"	50 lbs/22.68 kg	90 lbs
HIBS_00-1818-150LB	18"x18"	150 lbs/68.04 kg	200 lbs
HIBS_00-1818-300LB	18"x18"	300 lbs/136.08 kg	420 lbs
HIBS_00-1818-500LB	18"x18"	500 lbs/226.8 kg	527 lbs
HIBS_00-2424-50LB	24"x24"	50 lbs/22.68 kg	66 lbs
HIBS_00-2424-150LB	24"x24"	150 lbs/68.04 kg	176 lbs
HIBS_00-2424-300LB	24"x24"	300 lbs/136.08 kg	506 lbs
HIBS_00-2424-500LB	24"x24"	500 lbs/226.8 kg	506 lbs
HIBS_00-2424-1000LB	24"x24"	1000 lbs/453.6 kg	1000 lbs

Note: _ = 4 for 400, 3 for 300 and 2 for 200 models

Hardy Bench Scale Accessories Enable you to easily configure a solution to meet your individual applications!

- Instrument pedestal
- Roll Top



Instrument Pedestal 12" and 24" Stainless and Carbon Steel



Roll Top

HARDY
PROCESS SOLUTIONS
 Measurement • Automation • Productivity

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Visit our website for:

- full product specifications
- ordering information
- application notes
- technical description
- operator's manual

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