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  
**CZ® eCAL™**

**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

**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 and environmentally sealed, IP67 load cells, 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.

**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 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 aluminum load cell made for use in dry and dusty environments. Each aluminum load cell is FM approved, and the HIBS200 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.
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: 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 Accessories**
Enables you to easily configure a solution to meet your individual applications!
- Instrument pedestal
- Roll Top

**Standard Sizes and Capacities**

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**Hardy Bench Scale Models**

**HI B5400**
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 B5300**
Rugged industrial scale with stainless steel construction for use in harsh and wet environments (IP67). 304SS base and platter with an Aluminum Load Cell. FM certified, NTEP pending.

**HI B5200**
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 an Aluminum Load Cell. FM certified, NTEP Pending.

**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.

**Weighing Instruments Dedicated to Your Applications**
Controllers, Weigh Modules, Weight Processors & Transmitters

**ADVANTAGE Series with C2 Calibration**

**Bench & Floor Scales**

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ISO 9001:2008 CERTIFIED

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Visit our website for:
- full product specifications
- ordering information
- application notes
- technical description
- operator’s manual

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