

PROCESS WEIGHING
Applications

- Inventory Measurement
- Level Measurement
- Batching/Blending
- Filling/Dispensing/
Dosing



Hardy 6300 or 6310



Hardy 6310 with multichannel display

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, diagnostics and troubleshooting



Vibration immunity from mechanical noise



The HI 6300 is a low-power consuming weight processor with a big, bright display and Modbus-RTU, Ethernet-UDP and TCP/IP communications. The HI 6310 also features a multi-channel display and Analog 4-20mA.

Weight processors are used as a front end to a control system or operate standalone for all types of general weighing applications. They measure, condition and communicate weight without any need to control. The HI 6300 series is ideal for basic applications requiring fast, precise weight as critical functions of a process.

OPERATOR FRIENDLY

For maximum visibility and usability, the HI 6300 series feature a rugged high contrast display with a 140 degree viewing angle for easy reading from across the room. Discrete status messaging means there is no need to check a manual for error codes or instructions. Designed for use worldwide, the HI 6300 series supports messaging in two languages: English and Chinese.

INSTALLATION YOUR WAY

For panel mounting, simply drill five holes to mount the keypad/ display on the front and the instrument to the other side. For blind or remote mounting, just snap onto a DIN rail or mount on a wall. The DIN rail clip is even included. The Ultra Low Profile Design of the HI 6300 series fits a 2" deep cabinet!

MULTI-CHANNEL DISPLAY

To save space and power consumption, the HI 6310 can control, configure and show the weight readings from one to four instruments on one display panel! (HI 6310 only)

LOW POWER CONSUMPTION

Each instrument consumes just 4 watts nominal, saving energy costs while driving up to 4 load points.

EASE OF SET-UP & CALIBRATION

Let the set-up wizard guide you through installation and calibration or use the Hardy embedded Web Server to set up parameters from anywhere on your network. Front panel and keys and LCD display with simple menus enable quick, setup with help text displayed every step of the way. Use Hardy's exclusive C2® or eCAL™ for automatic calibration of the weigh system without test weights, which can save hours of start-up and maintenance time.

INTEGRATED TECHNICIAN®

Quickly and easily troubleshoot the weighing system from the front panel of the display or connected control system using the proprietary IT built-in system diagnostics.

VIBRATION IMMUNITY

With Hardy's WAVERSAVER® technology, the HI 6300 series ignores the mechanical noise and vibration typically found in machine and factory environments. WAVERSAVER® dramatically reduces scale settling time and increasing the output speed of stable weight readings.

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 bases to accommodate your application requirements.



ADVANTAGE Series Load Point with C2 Calibration



ANY-WEIGH Scales

Weighing Instruments Dedicated to Your Applications

Controllers, Weigh Modules, Transmitters

Allen-Bradley® Compatible Plug-in Weigh Scale Modules



HI 3000 Series HI 4050 Controllers and HI 6000 Series



SPECIFICATIONS

Performance:

Resolution

- Stable processed weight: 1:6,000
- Maximum displayed resolution: 1:100,000

Update Rate

- Processed weight, display, communications: 55 times per second
- Unprocessed weight (A/D Conversions): 4800 times per second

Mode:

- Gross, Net, Piece Count (HI 6310 only)

Units of Measure:

- Ounce, Pound, Ton, Gram, Kg, Metric Ton, Piece (HI 6310 only)

Stable Weight Readings:

- WAVERSAVER: 1Hz to 7.5 Hz
- Averaging 1 to 255 User-selectable in single increments

Display:

- 80:1 contrast ratio with 4.3" effective viewing area
- 140° viewing angle

Multi-channel Display:

 (HI 6310 only)

- Control, configure, and view one to four HI 6310s on a single front panel (up to 3 blind and one with a display)

Calibration Methods:

- C2® calibration without test weights
- Traditional calibration with test weights

Excitation:

- 5VDC

Number of Load Cells:

- Up to 4 at 350 Ω

Keypad:

- 5-Button Tactile

Mounting:

- DIN, low profile, panel, wall

Communications:

- Modbus RTU
- Analog 4-20mA (HI 6310 only)
- Ethernet UDP
- Ethernet TCP/IP(Embedded WebServer)

Communication Interface:

- Terminal, RJ-45
- USB setup and configuration saving (HI 6310 only)

Power:

- 12-27 VDC
- 2.5 Watts (4 Watts with display)

Temperature:

- -10°C to +60°C (14° F to 160°F)

Humidity:

- 0-90% non-condensing

Dimensions:

- 7" W x 3"H x 2 1/4" D (18 cm x 7.6 cm x 5.7 cm)

Certifications:

- Hazardous: Class I, II, III/Div2
- Safety: CE, UL, CUL

Warranty:

- Two-year warranty against defects in workmanship

MODEL NUMBERS

HI 6300 SERIES

HI 6300-WP-00-00	Standard configuration, no display
HI 6300-WP-10-00	Standard configuration with display
HI 6310-WP-00-00	Analog 4-20mA, USB Port, no display
HI 6310-WP-10-00	Analog 4-20mA, USB Port, multi-channel display

Get more information about the HI 6300 Series at

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 or 1-800-821-5831

HARDY
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 Measurement • Automation • Productivity

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ISO 9001:2008
 CERTIFIED

Since 1993



HI 6300 Series Displays Weight and Menus in English and Chinese

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HI 6300 Series 10/13
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