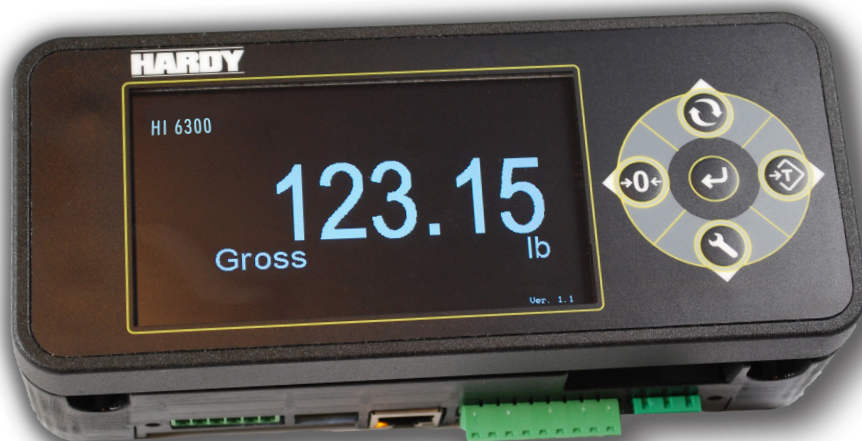## HI 6300 Series
Weight Processors

Applications

PROCESS WEIGHING

- *Inventory Management*
- *Batching/Blending*
- *Filling/Dispensing/Dosing*
- *Check Weighing*
- *Level Monitoring (by Weight)*

Features

THE HARDY PROCESS TOOLBOX

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

PRODUCTIVITY

PROCESS TOOLBOX

WAVERSAVER®

- Ignores vibration on and around scales

C2® AND eCAL™ ELECTRONIC CALIBRATION

- Electronic calibration without test weights

C2® eCAL™

INTEGRATED TECHNICIAN®

- Weighing system monitoring and troubleshooting

IT INTEGRATED TECHNICIAN®

The HI 6300 series of weight processors provide accurate, stable and repeatable weight, while striking the optimum balance between price and application flexibility.

The HI 6300 series can be used as stand-alone weight processors or as front-ends to weight-based control systems. The instruments read, condition, and digitize load cell and strain gage signals commonly found in industrial process weighing applications, including inventory management, batching, blending, filling, dispensing, and check weighing. The 6300 series is ideal for applications where fast, precise weight-based controls are 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 a variety of languages

EASE OF SET-UP & CALIBRATION

Let the set-up wizard guide you through installation and calibration or use the embedded web server to set up parameters from anywhere on your network. Front panel keys and

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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.

VIBRATION IMMUNITY

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

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.

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 Ultra Low Profile Design of the HI 6300 series fits a 2" deep cabinet!

MULTI-CHANNEL DISPLAY (HI 6310 Only)

To save space, the HI 6310 can show the readings of four instruments on one display panel simultaneously!

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

STOCK MAKE PACK SHIP

SPECIFICATIONS

Performance:
- 55 times per second
- 6,000 divisions of full scale

A/D Conversion:
- 4.8kHz, 24 bit

Mode:
- Gross, Net, Count

Units of Measure:
- Ounce, Pound, Ton, Gram, Kg, Metric Ton

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

Display:
- 80:1 contrast ratio with 4.3" effective viewing area
- 140° viewing angle
- Up to 4 instruments shown on a single front panel (HI 6310 only)

Calibration Methods:
- C2® automatic calibration
- 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
- Ethernet TCP/IP(Embedded webserver)
- Ethernet UDP
- Analog 4-20mA (HI 6310 only)

Communication Interface:
- Terminal, RJ-45
- USB Parameter Saving (HI 6310 only)

Power:
- 12-27 VDC
- 1.4 Watts (4 Watts with display)

Temperature:
- -10°C to +60°C (14° F to 160°F)

HI 6310 Display Panel Shows up to Four Instruments at the Same Time!

Humidity:
- 0-90% non-condensing

Dimensions:
- 7" W x 3"H x 2 ¼" D (18 cm x 7.6 cm x 5.7 cm)

Certifications pending:
- Class 1,2,3/Div2, 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

www.hardysolutions.com
hardyinfo@hardysolutions.com
or 1-800-821-5831

HARDY
PROCESS SOLUTIONS
Measurement ▪ Automation ▪ Productivity

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HI 6300 Series 04/13
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