HARDY
PROCESS SOLUTIONS
Measurement ▪ Automation ▪ Productivity
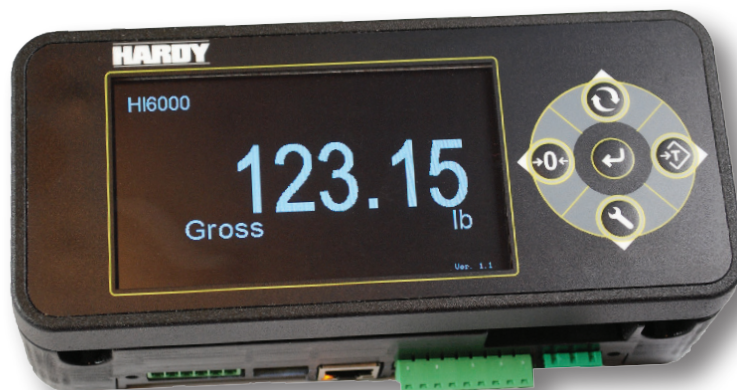
Model HI 6300
Weight Processor

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
HARDY
PROCESS TOOLBOX
C2® **eCAL**™ *IT*®

WAVERSAVER®
- Ignores vibration on and around scales

C2® AND eCAL™ ELECTRONIC CALIBRATION
- Electronic calibration without test weights

eCAL™

INTEGRATED TECHNICIAN®
- Weighing system monitoring and troubleshooting

IT **INTEGRATED TECHNICIAN**®

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

The HI 6300 series can be used as a stand-alone weight processor or as the front-end to a weight-based control system. The instrument reads, conditions, and digitizes load cell and strain gage signals commonly found in process weighing applications, including inventory management, batching, blending, filling, dispensing, and check weighing. With a robust, ultra-low profile design, it is an ideal solution for applications where fast, precise weight-based controls are critical functions of a process.

OPERATOR FRIENDLY
For maximum visibility and usability, the HI 6300 features a rugged high contrast display with a 140 degree viewing angle for easy reading. This high-definition display allows for discrete status messaging with no need to check a manual for error codes or instructions. Designed for use worldwide, the HI6300 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 all parameters from

anywhere on your network. Front panel keys and LCD display with simple menus enable quick, simple setup of parameters with help text displayed every step of the way. Use Hardy exclusive C2® or eCAL™ for automatic calibration of the weigh system without test weights, which can save hours of start-up time.

VIBRATION IMMUNITY
Featuring Hardy's WAVERSAVER® technology, the HI 6300 ignores the vibration and mechanical noise typically found in machine and factory environments.

WAVERSAVER® dramatically reduces scale settling time while remarkably increasing the instrument's 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 using the included templateto mount the keypad/ display on the front and the electronics to the other side of the panel. 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!

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

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

Calibration Methods:
- C2® automatic calibration
- Traditional calibration with test weights

Digital Filtering:
- WAVERSAVER®

Excitation:
- 5VDC

Number of Load Cells:
- 4 at 350 Ω or 1000 Ω

Keypad:
- 5-Button Tactile

Mounting:
- DIN, low profile, panel, wall
- Fits existing common hole patterns

Communications:
- Modbus RTU
- Ethernet TCP/IP(Embedded webserver)
- Ethernet UDP
- Modbus TCP*
- 4-20mA*

Communication Interface:
- Terminal, RJ-45
- USB*

Power:
- 12-40 VDC
- 1.4 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 2¼"D (18 cm x 7.6 cm x 5.7 cm)

Certifications pending:
- Class 1/Div2, CE, UL, CUL,

Warranty:
- Two-year warranty against defects in workmanship

*optional

All specifications subject to change without notice.
Please contact the Hardy factory or visit our website for the latest specifications.

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	Communications upgrade* no display
HI 6310-WP-10-00	Communications upgrade* with display

* Communications upgrade includes the standard configuration with the addition of USB, 4-20mA and Modbus TCP

Get more information about the HI 6300 Series at
www.hardysolutions.com
hardyinfo@hardysolutions.com
or 1-800-821-5831

HARDY
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Measurement ▪ Automation ▪ Productivity

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Since 1993

HI 6300
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