

PROCESS WEIGHING Applications

- **Batching/Blending**
- **Filling/Dispensing**
- **Dosing**
- **Level Management**
- **Inventory Management**



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 process weighing applications.



Electronic calibration without test weights



Weighing system monitoring, diagnostics and troubleshooting



Vibration immunity from mechanical noise



Easy to configure and setup with a Rockwell Automation PLC

Rockwell EDS_Add-on-Profile
HMI Faceplate/AOIs

PROFINET GSD File

The Hardy HI 6200 series are high performance single-channel Weight Processors with industrial EtherNet I/P®, PROFINET®, Modbus TCP or Analog 4-20mA communications, IIoT compatibility, remote diagnostics and a user-friendly touch screen interface. Ideal for OEMs and System Integrators building machinery where accurate, stable and fast weight data with a low-cost of ownership are critical components to successful designs.

Ultra-compact at just 2 inches wide and 3.25 inches high, the HI 6200 series saves cabinet space, allowing for high density panel design over traditional weighing instrumentation, reducing both machine cost and control cabinet footprint.

The HI 6200 series is designed to replace 4-20mA signal conditioners and analog strain gage transmitters with fieldbus connectivity, providing machine builders the advantage of communicating parameters and advanced diagnostics. The HI 6200 series enables a proactive maintenance strategy while reaping the benefits of IIoT device-level connectivity through a built-in Webserver or directly via the UDP Transport Layer.

EASE OF USE

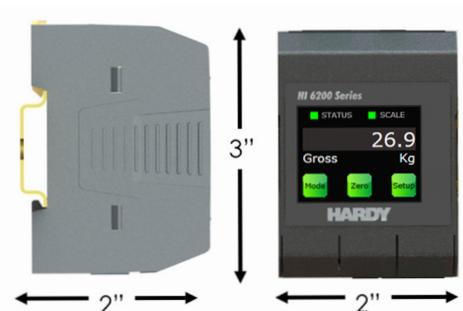
The intuitive 1.8" TFT-LCD touch screen interface is thoughtfully designed so that anyone with basic scale knowledge can set-up and operate the instrument without having to read a manual or receive instruction. Despite its tiny size, the high contrast color TFT display provides crisp easy to read measurements and instrument status.

SOLID PERFORMANCE

Powerful 32-bit ARM Core processing, state of the art hardware design, combined with Hardy's WAVERSAVER® technology ensure accurate, stable and fast weight readings in the type of adverse conditions that plague process control. As a co-processor to a control system such as a PLC, DCS or PAC, the HI 6200 delivers 100 updates per second of processed weight data at resolutions exceeding 1:10,000 without placing additional burden or delay into control loops that depend on accurate and fast readings from analog sensors.

HARDY PROCESS TOOLBOX

All versions include the Hardy Productivity Toolbox – embedded Webserver for set-up, monitoring and control from any browser-anywhere, C2® weightless calibration, INTEGRATED TECHNICIAN® instrument diagnostics, and a suite of control integration tools such as Rockwell EDS_AOP, HMI Faceplates, GSDML and PROFINET GSD files.



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



Hardy Bench Scales

Weighing Instruments Dedicated to Your Applications

Controllers, Weigh Modules, and Transmitters

Allen-Bradley® Compatible Plug-in Weigh Scale Modules



HI 3000 & HI 4000 Controllers and HI 6000 Series



SPECIFICATIONS

Performance:

Resolution

- Stable processed weight 1:10,000
- Maximum displayed resolution: 1:999,999
- Internal resolution 1:8,388,608

Update Rate

- Processed weight, display & comms: 100 times p/sec
- Unprocessed weight (A/D conversion): 4800 times p/sec

Modes:

- Gross, Net

Units of Measure:

- Ounce, Pound, Ton, Gram, Kg, Metric Ton

Weight Processing

- WAVERSAVER®: 0.25 Hz to 7.5 Hz
- Averaging: 1 to 255 User-selectable in single increments

Color Touch Screen Display:

- 500:1 contrast ratio with 1.8" effective viewing area
- 128 x 160 pixels, 65K colors
- Resistive Touch Display

Calibration Methods:

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

Excitation:

- 5VDC

Number of Load Cells:

- Up to 8 at 350 Ω

Mounting:

- DIN Rail

Communications:

- EtherNet/IP (-EIP models)
- Ethernet UDP
- Ethernet TCP/IP (Embedded Webserver)
- Modbus TCP (-EIP models only)
- Analog 4-20mA (ANA models)
- PROFINET (PFN models)

Communication Interface:

- Terminal, RJ-45

Power:

- 12-25 VDC (ANA and EIP); 12-24 VDC (PROFINET)
- 3 watts nominal (ANA and EIP)
- 3.5 watts nominal (PROFINET)

Temperature:

- -10°C to +60°C (14° F to 140°F) ANA and EIP
- -10°C to +50°C (14° F to 122°F) PROFINET

Humidity:

- 0-90% non-condensing

Dimensions:

- 2.07" W x 3.37" H x 1.98" D (without connectors)
- (52.6 mm x 75.0 mm x 50.3 mm)

Approvals:

- UL, CUL Ordinary Location
- CE
- ODVA Level III
- RoHS3 & REACH
- Class I, Division 2 Groups A, B, C and D, Temp Code T6
- PI PROFINET

MODEL NUMBERS: HI 6200 SERIES

MODEL	COMMS	I/O	ANALOG	Description
HI6200-WP-10-EIP-000	EIP/MD	n/a	n/a	Single Channel Weight Processor EtherNet/IP Comm with display
HI6200-WP-10-PFN-000	PROFINET	n/a	n/a	Single Channel Weight Processor PROFINET Comm with display
HI6200-WT-10-ANA-000	TCP/IP	n/a	4-20mA	Single Channel Weight Transmitter, Analog Out with display

A Complete Hardy Scale System

HI 6200

- Webserver
- WAVERSAVER®
- Diagnostics
- Touch Screen



C2® Load Cells

- Weightless Calibration



C2® Cable

- Analog/digital homerun

IT Junction Box

- Integrated Technician®

HARDY
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Measurement • Automation • Productivity

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