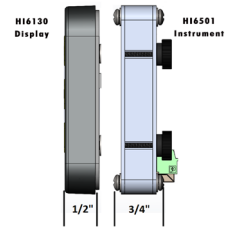


PROCESS WEIGHING
Applications

- **Inventory Measurement**
- **Level Measurement**
- **Batching/Blending**
- **Filling/Dispensing/Dosing**
- **Static Check Weighing**



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



Easy to configure and setup with a Rockwell Automation PLCs

Rockwell Add-on-Profile HMI Faceplate/AOIs

The HI6501 series is a modernized weight processor featuring faster update rates, dual-port Ethernet, color touch-screen navigation, NTEP certification and conformance to the latest OVDA standards. The HI6501 includes EtherNet/IP® and free Add-On-Profiles & HMI Faceplates, for use with Rockwell Automation control systems. The HI6501 features a big, bright color touchscreen display and deliver fast, high-resolution weight readings. Also offered is an alternative 4-20mA analog configuration.

Weight processors are used as front ends to control systems or standalone for all types of general weighing applications. They measure, condition and communicate weight without any need to control.

SUPERIOR PERFORMANCE

The HI 6501 series delivers stable processed weight with a resolution of 1:10:000, and an update speed of 250 updates per second (processor, display and comm.). These units enhance the productivity of process manufacturing systems where fast, precise weight-based controls are critical. EIP models offer many communication choices including EtherNet/IP, Modbus TCP & RTU.

VIBRATION IMMUNITY

Hardy's WAVERSAVER® technology suppresses vibration and mechanical noise, dramatically reducing scale settling time and increasing the speed of stable gross and net weight readings. 6501 series features a big, rugged high-contrast touchscreen display.

EASY TO READ

For maximum visibility and usability, the HI6501 series features a 4.3" color touchscreen display.

LOW POWER CONSUMPTION

Each instrument consumes just 4 watts saving energy costs while driving up to 8 load points.

EASE OF SET-UP & CALIBRATION

A set-up wizard guides you through installation and calibration, or use the embedded web server to set up parameters from anywhere on your network. Front panel keys and menus enable quick, easy setup with help text. Use Hardy's exclusive C2® for automatic system calibration, which saves hours of start-up and maintenance time. A Rockwell Add-On-Profile makes PLC setup fast and easy, while HMI Faceplates/AOIs make it easy to use without programming.

INTEGRATED TECHNICIAN®

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

NTEP CERTIFICATION

A simple toggle switch and NTEP Certification enables users to use the HI6501 in Legal-for-trade applications. Eligible for enhanced real-time instrument diagnostics and alerts

STATIC CHECKWEIGHING

A static checkweighing feature allows easy and fast product inspection by weight.

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.

OneMount Load Point



Hardy BSX Bench Scales



Weighing Instruments Dedicated to Your Applications

Controllers, Weigh Modules, Transmitters

Allen-Bradley® PLC Compatible Plug-in Weigh Scale Modules



HI6800 Series Controllers and HI6000 Series Weight Processors



SPECIFICATIONS

Performance:

Resolution

- Stable processed weight 1:10,000
- Maximum displayed resolution: 1:100,000
- Internal resolution 24-bit 1:16,777,216

Update Rate

- Processed weight, display & communications: 250 times per second
- Unprocessed weight (A/D conversion): up to 4800 times per second

Modes:

- Gross, Net, Check

Units of Measure:

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

Weight Processing

- WAVEDSAVER®: .25 Hz to 7.5 Hz
- WAVEDSAVER+: ADAPTABLE
- Averaging: 1 to 255 User-selectable in single increments

Display:

- 4.3" color touch screen
- IP65 (Type 4/4X)
- 80:1 contrast ratio

Calibration Methods:

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

Excitation:

- 5VDC

Number of Load Cells:

- Up to 8 at 350 Ω

Keypad:

- 3-Button Tactile

Mounting:

- Panel Mount

Communications:

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

Communication Interface:

- Dual Terminal, RJ-45s

Power:

- 24 VDC power from a Class II power supply (use a power-limited 12-27 VDC power supply (Class 2))
- 4 watts nominal with display
- 4 watts max with two IT junction boxes and 8 load points

Temperature:

- -10°C to +60°C (14° F to 140°F)

Humidity:

- 0-90% non-condensing

Dimensions:

- Instrument: 6.15" W x 3.25" H x 0.9" D (15.6 cm x 8.3 cm x 2.4 cm)
- Display: 7.25" W x 3.25" H x 0.5" D (18.4 cm x 8.2 cm x 1.4 cm)

Certifications:

- Hazardous: Class I, II, III/Div2
- Safety: CE, UL & CUL
- EtherNet/IP ODVA Certification Level 3

Warranty:

- Two-year warranty against defects in workmanship

MODEL NUMBERS

HI6501 SERIES

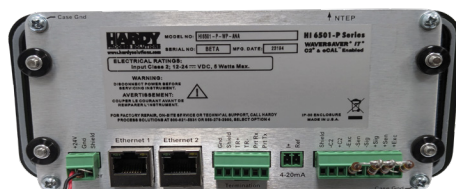
HI6501-P-WP-EIP	EtherNet/IP Panel Mount with Display
HI6501-P-WP-ANA	Analog 4-20mA with Display
HI6130	Touch Screen Display (separate from Instrument)
6032-0089-L10FT	10 ft. Ribbon Cable
6032-0089-L4.00	4-inch Ribbon Cable
HI6501-P-NTEP-KIT	NTEP Accessory Kit for Panel Mount

Get more information about the HI6501 Series at

www.hardysolutions.com/en/Hi6501
hardyinfo@hardysolutions.com
 or 1-800-821-5831

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 Measurement • Automation • Productivity

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CERTIFIED
 ISO 9001



HI 6501 Series 0225
 06210400-6501A

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