

Model HI 2204LT Loop Power Level Weight Transmitters

Applications PROCESS WEIGHING

- *Level-by-Weight*
- *Force Measurement*



Features

- **Two Wire Transmitter**
- **Powers up to 4 Load Cells/Points**
- **Adjustable Span and Zero**
- **Low Cost**
- **Two Year Warranty**

HI 2204LT LOOP POWERED LEVEL WEIGHT TRANSMITTER

The Hardy HI 2204LT Loop Power Level Weight Transmitter is a state-of-the-art bridge to strain gages, load cells and load points. The low-cost HI 2204LT Loop Power Level Weight Transmitters are used for level-by-weight and force measurement applications.

The HI 2204LT comes sealed and potted to withstand typical industrial environments. They have a coarse zero offset adjustment to remove deadload, a fine zero adjustment to compensate for small differences between load cells/points, and a span adjustment to set the operating range for the "liveload".

The HI 2204LT powers the load cells/points momentarily at the rate of about 90 times per second and converts the signal read into a 4-20 mA output.

The HI 2204LT Series is available for stand-alone mounting or can be ordered from the factory in a NEMA 4X stainless steel or a NEMA 4 steel enclosure both with a multi-load cell (up to 4) summing card.

The HI 2204LT is designed for use in non-hazardous environments. It produces a 5 VDC excitation voltage. The HI 2204LT is capable of developing its full 4-20 mA signal while requiring "liveload" of only 33% of total load cell capacity. This is true even when four 3 mV/V, 350 ohm load cells/points are used.

To learn more about the HI 2204LT visit our web site for:

- **full product specifications**
- **ordering information**
- **application notes**
- **technical description**
- **operator's manual**

www.hardysolutions.com

**or call us: 800-821-5831
+1-858-278-2900**

COMPONENTS TO COMPLETE YOUR HARDY SYSTEM

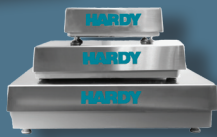
Hardy Bench Scales, Floor Scales and Load Points

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



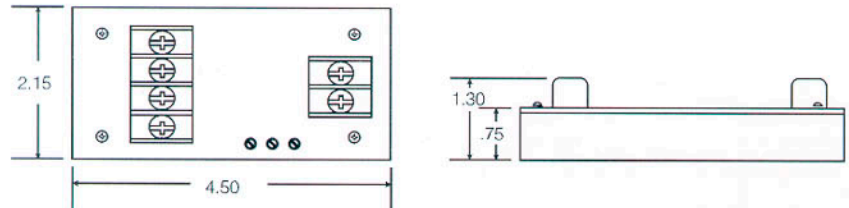
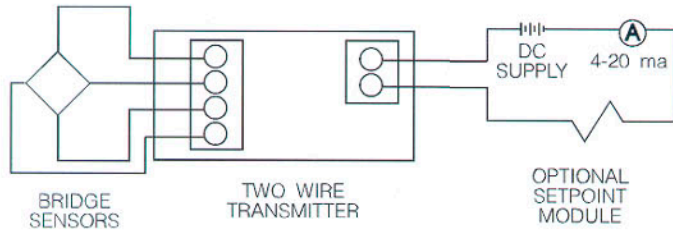
Weighing Instruments Dedicated to Your Applications

Controllers, Weigh Modules, Weight Processors, Transmitters

Allen-Bradley® Compatible
Plug-in Weigh Scale Modules



HI 3000 Series
HI 4050 Controllers
and HI 6000 Series



SPECIFICATIONS

Loop Power

- 15 to 50 volts DC across the transmitter
- 15v minimum would be with 0 ohm load; add 20 millivolts per ohm to the minimum loop voltage
- 25v minimum loop voltage required for a 500 ohm load

Linearity

- 0.08% of full scale

Response Time

- 250 milliseconds

Sensitivity

- 3 mV/V full scale with adjustment to 1 mV/V

Zero Fine Adjustment

- Approximately 1% of full scale

Power Supply Rejection

- 0.1% from 15 to 50 v
- 0.015% from 20 to 30 v

Load Cell Excitation

- 5 VDC (Pulsed)

Temperature Range

- 0 to 60° C

Temperature Coefficient

- 0.025% per degree C

Ripple

- 10 mV p-p at 20mA into a 500 ohm load

Approvals HI 2204LT

- CE

Warranty

- Two-year warranty against defects in workmanship

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

MINIMUM LIVE LOAD

	2 mV/V, 350 Ω cells	3 mV/V, 350 Ω cells
One-Four Cells	50% of capacity	33% of capacity

ACCESSORIES

- NEMA 4, Pointed Steel Junction Box or Summing Box
- NEMA 4X, Stainless Steel Junction Box or Summing Box
- Snap track and Adapter

HARDY
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Measurement • Automation • Productivity

Hardy Process Solutions

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