

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**

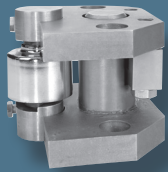
www.hardysolutions.com

**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

ANY-WEIGH Scales



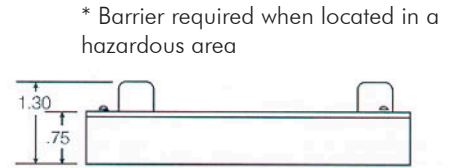
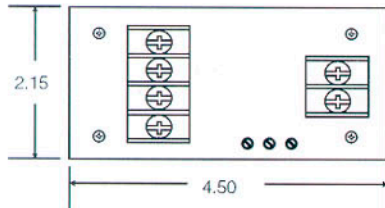
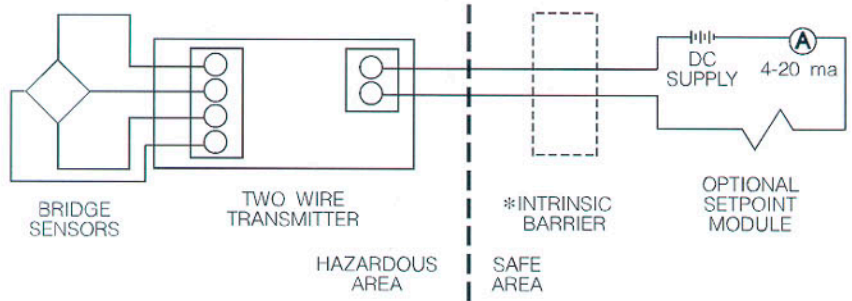
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Controllers, Weigh Modules, Transmitters

Allen-Bradley® Compatible Plug-in Weigh Scale Modules



HI 3000 Series HI 4050 Controllers and HI 6300 Series



* Barrier required when located in a hazardous area

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
- NEMA 4X, Fiberglass Junction Box or Summing Box
- Snap track and Adapter

HARDY
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Measurement • Automation • Productivity

Hardy Process Solutions

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