

Hardy Introduces New High Speed Check Weighing Bundle

San Diego, CA, June 2012

For Immediate Release

Hardy's New HI 4050CW now available

San Diego, CA - June 22, 2012 -

Hardy Process Solutions' new HI 4050 CW check weighing bundle is now available for shipment.

Hardy Process Solutions introduces its' new high speed HI 4050CW CHECK WEIGHING bundle that can process up to 250 high resolution weight measurements per minute. The bundle consists of a special version of Hardy's HI 4050 weight transmitter with a digital load cell interface card and a high speed Digital Sensor Point (DSP) capable of 0.50 gram resolution. This off-the-shelf open platform solution is easily integrated with existing hardware, and with the End User's plant automation system. This makes it a perfect fit for building new systems for static and dynamic check weighing or retrofitting older, less reliable systems.

What our customers told us they want:

They want check weighers that are developed using standard, off-the-shelf technology. Solutions that use known, and readily available



technology: For example - PLC's, HMI's and weight measuring components such as load cells and indicators. Solutions that can be retrofitted into existing equipment: They must require little to no modifications to the production lines or lanes within which the check weighing is required. If possible, should be able to use existing enclosures and HMI locations. Above all the must be easy to use, modify and fix.

Check Weighing Challenges:

Traditionally, cost effective strain gauge technology (analog) has been used in applications below +/-100 ppm (packs per minute). Above this rate, OEMs, Systems Integrators and their customers have had to turn to more advanced measurement sensors such as oil damped strain gauge load cells (faster settling time), the much more costly magnetic force restoration load cells (more speed, faster settling time and higher accuracy), and the like.

The Solution:

Hardy's new bundled solution (sensor and controller) using ceramic sensor technology solves the problem between 100ppm and 250ppm. Ceramic sensor technology measures mechanical deflection caused by a product being placed on, or traveling over the load cell by measuring the change in "reactance" (combination of capacitance and inductance). The advantages of using this technology are:

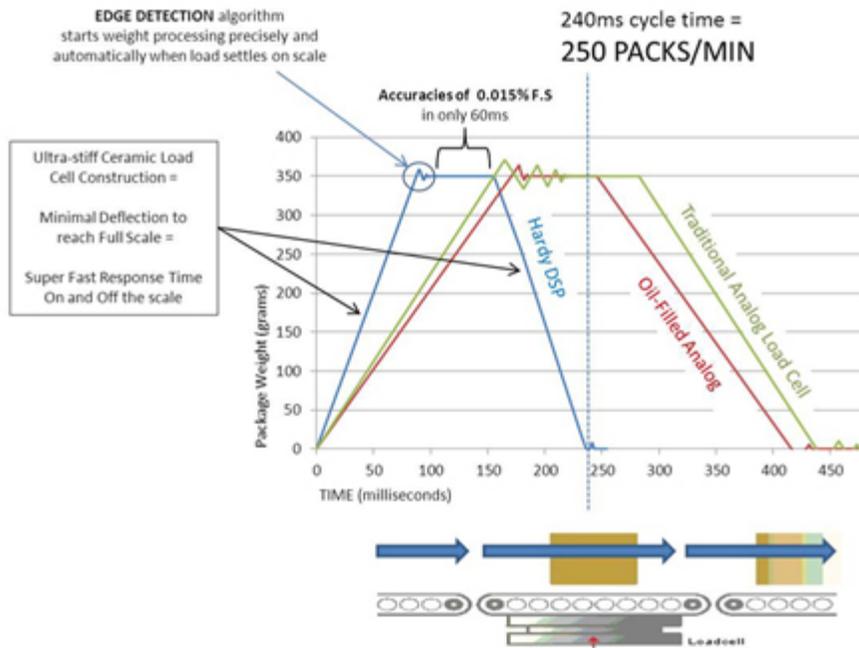
- reaction times 2 to 3 times faster than strain gauge load cells,
- 3 times the overload capability,
- better stability using two stage signal filtering (one stage in the load cell the 2nd in the controller)
- and package edge detection,

to name a few of the key advantages.

CERAMIC SENSING TECHNOLOGY:

The Hardy Digital Sensor Point (DSP) is a high speed, high resolution, shock resistant sensor that is designed for industrial applications requiring a fast, accurate and repeatable response to change-in-weight conditions. With no moving parts and a laser welded assembly, the hermetically sealed DSP, rated to IP69k, will provide a robust and long lasting solution in the most challenging environments.

The Hardy Process Solutions Checkweighing Advantages



AUTOMATIC EDGE DETECTION:

Smart features added to the HI 4050CW include an edge detection algorithm that automatically starts weight processing precisely when a load settles onto the scale; eliminating the need for switches, photo-eyes and vision systems that are typically manually positioned to determine when to start taking weight readings. The new HI 4050CW is easily connected to a PLC, DCS or PC using a variety of connectivity options including Ethernet/IP, ControlNet, or Modbus TCP/IP.

"Innovation, inspired by real-world customer feedback, drove the development of our new check weighing bundle - solving many of the challenges commonly incurred with obsolete weighing electronics and customized closed-system designs." says Karl Schwenkmeyer, Vice President and General Manager of Hardy. "Our customers have seen extraordinary productivity gains already with this new solution."

Hardy Process Solutions has been a leader in weighing solutions for 90 years and is best known for its innovative approaches to precision instrumentation and process measurement. An ISO 9001:2008 certified manufacturer, Hardy Process Solutions is based in San Diego, California. For more information about Hardy Process Solutions, please visit www.hardysolutions.com or call 1-800-821-5831.

Additional Information: HI4050

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