HARDY
PROCESS SOLUTIONS

Hardy Insider
December 2012 Edition

Welcome to the Hardy Insider newsletter. There is a lot happening at Hardy and we would like to keep you informed. This is your newsletter! If you have questions or content you would like to see, please contact us at hardyinfo@hardysolutions.com.

Visit Hardy at the NW Food Processors Expo

EXPO / 2013
NW Food Processors EXPO and Conference
JANUARY 14-16, 2013 PORTLAND, OR
NWFPA NORTHWEST FOOD PROCESSORS ASSOCIATION

Join us in Portland in January to see how Hardy Process Solutions meets the process weighing requrements of the food manufacturing and packaging industry. NWFPA is the largest show in the Northwest focusing on this important manufacturing sector.

Hardy is offering free exhibit passes to food processors who wish to attend the show (a $50 value). Just use the coupon code **PROCESSORVIP115.** See you there!

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New Products Spotlight:

If you missed us at the Rockwell Automation Fair in Philadelphia or the Industrial Automation Show in Shanghai, below are some of the products we showcased.

New Weight Processor Displayed at Rockwell Automation Fair and the Industrial Automation Show in Shanghai

The new 6000 series family of weight processors are designed to strike the optimum balance between price, quality of weight reading and Hardy's reputation for superior industrial process measurement products. The Hardy HI 6300 and 6310 process net and gross weight data from Hardy load cells (or industry standard load cells) and sends stable weight data directly to a PLC or computer system. They can also be used in stand-alone applications.

HI 6300 Weight Processor

The HI 6300 and HI 6310 come with a large high-contrast display, are easy to set-up with discrete messaging and delivered with Hardy's core features of Waversaver, C2, IT and Webserver. The panel mounted instrument reads, conditions, and digitizes load cell sensor and strain gage signals commonly found in process weighing making it an ideal solution for applications where fast, stable weight-based controls are critical functions to a manufacturing process.

Universal mounting allows installation in panels, cabinets, on DIN rails and on walls without special tools or extra hardware. The low-profile, space-saving design can be used in cabinets that are only 2" deep or be mounted side-by-side for high-density control cabinet layout.

More on this exciting new product soon!

Enhanced EASY 8™ weigh scale modules for Micro800 programmable controllers

Hardy Process Solutions launched a faster EASY 8™ low cost weighing solution with 14 bits of resolution. The Easy 8 is designed to provide "just enough" functionality to strike a balance between price, quality of weight reading, and Hardy's reputation for high quality process measurement products. The EASY 8 is a single channel plug-in module that reads, conditions, and digitizes load cell sensor and strain gage signals commonly found in weighing processes. It is an ideal plug-in solution for stand-alone, small machine applications in which weighing and weight-based controls are critical functions of the equipment. Learn more about the Enhanced Easy 8.

Hardy In the News: Global Milling Advances

Global Milling Features HI 4050 as a Hero in Increased Flour Mill Productivity

A large global processor and exporter of grains and oilseeds was experiencing inconsistencies in timing for discharging wheat from a scale hopper, which resulted in an inconsistent flow rate. Five HI 4050s were installed to monitor the flow rates in the mill. With the data from all five scales, the customer is able to calculate the yield from stage to stage. The change in flow rates alerts the millers to possible mill problems, which they can immediately investigate.

To learn more, you can read this article online. For more information on using HI 4050s as flow controllers, click here.

TECH TIP - When do I use Zero and when do I use Tare?

These two functions may sound quite similar, but here's the difference:

ZERO- Actually moves the scale's GROSS zero reference. You've told the scale that the zero reference is now different.

TARE- Removes the container NET weight from your Gross weight value without changing the zero reference point. Remember: Net Weight equals Gross Weight minus Tare Weight.

Your application will dictate whether you should use the Tare or Zero command. A Zero command will make the Gross weight equal zero. However, the Zero command will only zero up to the amount specified in the zero tolerance parameter. You can zero the instrument as many times as desired, as long as the cumulative total does not exceed the zero tolerance value entered. If the zero tolerance value is exceeded, the unit will return an error code. A Zero command is used to offset small amounts of product buildup. This can include product that sticks to the sides of a vessel or minor spills of material. A Zero command would normally not be used to compensate for the weight of a container placed on the scale to be filled.

A Tare command will make the Net weight go to zero. There is no limit on the amount you can tare off for the net weight. The Tare command would be used to offset the weight of a container to be placed on the scale to be filled, or an amount of product previously placed on the scale.

For more tips and assistance, you can contact our Support department with any questions at Hardysupport@hardysolutions.com, call 1-800-821-5831 or visit out Tech Knowledge Base.

Video: Building a Low-Cost Weighing System

The Easy 8 makes building a low cost system fast and easy!
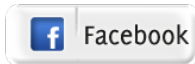
Process Weighing Made Easy

The Easy 8 for is an ideal plug-in solution for stand-alone, small machine applications in which weighing and weight-based controls are critical functions of the equipment. It sends this data directly to the backplane of an Allen-Bradley® Micro800™ PLC. Check out the video to see how easy it is to build a low cost system!

For mre information on the Easy 8 Click here .
Visit www.hardysolutions.com for more information or e-mail us at hardyinfo@hardysolutions.com

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