

For immediate release:

Hardy Doubles Speed of HI 6500-XP Extreme Weight Processor to Provide OEMs with Exceptionally Stable Weight Reading and Tighter Feed Control Capability

SAN DIEGO, CA – Hardy Process Solutions (www.hardysolutions.com) has again doubled the speed of the EtherNet/IP® enabled [HI 6500-XP Extreme Weight Processor](#) by increasing the update rate from 300 to 660 updates per second, providing a PLC with a new weight reading every 1.5 milliseconds (previously 3.3 milliseconds).

“The higher update rate allows this weight processor to provide extremely stable weight readings, much faster to a PLC, resulting in tighter feed control limits, and all of this under almost any adverse weighing condition.” says Tim Norman, product manager instrumentation for Hardy Process Solutions. “It’s ideal for high speed filling, dispensing and check weighing, where materials are often fed and weighed in motion at high speeds. Material motion and machine vibration causes many weighing instruments to have lengthy settling times and/or read inaccurately. The faster update rate (CPU clock speed) of the HI 6500-XP effectively mitigates the effects of in-motion weighing, providing a much faster settling time, better stability and tighter control.”

Many weight controllers and processors execute the A/D conversion at one frequency, then process the weight and communications ports at a much slower rate typically 20 to 50Hz, only providing the PLC with an update every 20 to 50 milliseconds. The HI 6500-XP is different, representing the state-of-the-art in weight processing uniformity and speed. A/D conversion, weight processing and the communications port ALL update at 660Hz, providing a new weight reading locally (at the Instrument) and remotely (in the PLC) every 1.5 milliseconds. This results in better product quality and improves raw material yields. The HI 6500-XP is a perfect fit for applications where speed and accuracy are paramount to control and quality, such as batching, blending, filling, dispensing and check weighing. The HI 6500-XP has the best price/performance ratio available, allowing OEMs to save money without compromising speed, accuracy or stability.

A Set-Up Wizard, Rockwell Add-On Profile and an HMI Faceplate/AOIs make the HI 6500-XP exceptionally easy to install and configure. Hardy’s exclusive C2® cloud-based calibration allows for automatic system calibration without test weights, saving hours of start-up and maintenance time. Hardy’s Integrated Technician® allows for quick troubleshooting of all system components. Hardy’s patent-pending WAVERSAVER+® technology suppresses vibration and mechanical noise, reduces scale settling time and

increases the speed of stable gross and net weight readings. With an embedded web server, the instrument can be accessed on the cloud from a computer browser from anywhere in the world.

Key features of the HI 6500-XP Extreme Processor Series include:

- High Speed: 660 updates/second of processed (stable) weight
- High Resolution: 1:30,000 even when exposed to mechanical vibration
- Supports CLASS 1 (scheduled) EtherNet/IP data transfer
- Set-Up Wizard, Rockwell Add-On Profile and HMI Faceplate/AOIs for fast, easy installation
- Power Efficient: uses a maximum of only 7 watts
- EtherNet/IP, Modbus TCP & RTU, Profibus-DP and Analog 4-20mA compatible
- UL, CUL and CE compliant

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ABOUT HARDY PROCESS SOLUTIONS

Headquartered in San Diego, California, Hardy Process Solutions has been providing customers with process control solutions since 1918 and is best known for its innovative technology. The company prides itself on its ability to continuously provide superior product quality and excellent customer support.

Hardy, an ISO 9001-certified manufacturer, currently services the food, chemical, petrochemical, pharmaceutical, feed & grain, mining & metal, pulp & paper, oil and gas, power, and general automation industries. We have developed the most interface connection options in the process industry, including DeviceNet, ControlNet, EtherNet, EtherNet/IP, Remote I/O, Profibus, Modbus TCP, Analog, and Serial.

Hardy Process Solutions is also a proud Encompass Global Partner with Rockwell Automation®. We are an industrial scale company, offering accurate weighing scales including floor scales, load cells, platform scales, and more. Our plug-in weigh scale modules fit directly into MicroLogix 1500, CompactLogix, ControlLogix, SLC 500, and Micro800 Allen-Bradley PLCs.