

For Immediate Release

Hardy's HI 1734-WS POINT I/O Weight Processing Modules Breathe New Life Into An Aging Machine

SAN DIEGO, CA – Sept. 2017 – Hardy HI 1734-WS POINT I/O weight processing modules were recently deployed to economically replace older analog strain gage conditioners used to measure force on a pipe extrusion machine. Immediately, the HI 1734-WS modules dramatically reduced calibration and set-up time versus the older analog strain gage conditioners.

With 96 channels of strain-gage inputs per machine, each with course and fine adjustment trim pots, hundreds of manual 'tweaks' were required using a small screw driver and steady hands to dial in the process. "By the time we are done with fine-adjustments on the 96th sensor, the first needed to be adjusted again". Using the C2[®] weightless calibration of the HI 1734-WS modules, what used to be an almost perpetual process can now be done with a software command; calibration is automatically preformed at the click of a button. Likewise, the HI 1734-WS can also re-zero the equipment after drift occurs instead of arduously making manual adjustments with a screwdriver.

A second benefit is increased product quality and product consistency. Replacing the 16-bit analog input modules with Hardy's 24-bit digital solution not only improved resolution of the process by a factor of 200X, but the process also benefited from Hardy's advanced digital filtering technique called WAVERSAVER[®] that virtually eliminates electrical noise and mechanical vibrations inherent to the equipment. The noise and vibrations were the source of constant erroneous readings back to the control system – causing the process to hunt for adjustments that weren't necessary and

ultimately caused deviations in pipe wall thickness. With greater resolution and the elimination of erroneous readings – wall thickness can now be controlled (using the same mechanics) to a level never seen before on the equipment.

“This module is exceptionally easy to mount, set up, calibrate, and maintain” says Timothy Norman, Product Development Manager for Hardy Process Solutions. The HI 1734-WS is a true weight processing module designed for POINT I/O systems, as opposed to passing raw A/D counts through to the PLC for interpretation as in competitive models. It is also easy to configure using a Rockwell Automation Add-On-Profile (AOP) and an easy-to-use Faceplate.

The HI 1734-WS is ideal for applications where fast, stable weight data and low cost of ownership are important. It is designed to be a high-performance replacement for analog transmitters with the advantages of noise filtering and vastly superior scale settling times. It is ultra-compact, reducing machine cost and control cabinet footprint. The module also includes Hardy Process Toolbox features: C2 weightless calibration, Integrated Technician™ system diagnostics, and WAVERSAVER immunity from mechanical vibration.

For additional information on the HI 1734-WS, including full specifications, visit [HARDY HI 1734-WS](#).

Media Contacts:

Agency: Julie Eleftheriou | 952.913.3065 | julie@longrenpaks.com

Company: Janice Kall | 858-255-6782 | janice.kall@hardysolutions.com

About Hardy Process Solutions (A Roper Technologies Company)

Hardy Process Solutions has established itself as an industry leader in the weighing automation world by providing highly accurate precision measurements, while seamlessly integrating process weight signals into a Rockwell plant control system. At Hardy, we believe that

industrial weighing solutions should be EASY to engineer and operate. We believe that simplicity delivers the LOWEST TOTAL COST to own. That's why our solutions are EASIER to install, integrate, commission, diagnose and maintain in all four areas of the supply chain.

1. STOCK - accurate weight and level measurement/monitoring
2. MAKE - adaptable weight & rate material feed measurement/control
3. PACK - for robust rate & weight feed measurement/control
4. SHIP - off-the-shelf static and dynamic check weighing solutions

Want MORE PRODUCTIVITY at the LEAST TOTAL COST to own? Call Hardy to discover how Today! Visit the Hardy Process Solutions website at www.hardysolutions.com, call 858-278-2900 or email hardyinfo@hardysolutions.com.

About Roper Technologies

Roper Technologies is a constituent of the S&P 500, Fortune 1000, and the Russell 1000 indices. Roper designs and develops software (both software-as-a-service and licensed), and engineered products and solutions for healthcare, transportation, food, energy, water, education and other niche markets worldwide. Additional information about Roper is available on the Company's website at www.ropertech.com