

Applications

PROCESS WEIGHING

- Inventory Control
- Batching/Blending
- Filling/Dispensing
- Level-by-Weight



Features

THE HARDY PROCESS TOOLBOX

The Hardy Process Toolbox is a set of productivity tools that support process weighing functions. Each tool saves time, increases accuracy, improves efficiency or reduces risk in process weighing applications.



- **WAVERSAVER®**
 Ignores vibration on and around scales

Hardy Process Solutions' EASY 8™ Weigh Scale Module is for the Allen-Bradley® Micro800™ programmable controller. This low cost solution is designed 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 process weighing applications. 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.

The Hardy EASY 8 is a powerful weight processing module that calculates and digitizes net and gross weight data from Hardy load cells (or industry standard load cells) and sends this data directly to the backplane of an Allen-Bradley® Micro800™ PLC.

Featuring vibration immunity based on Hardy's WAVERSAVER® technology, the EASY 8 module is delivered with SELECTABLE FILTERING that ignores vibration and mechanical noise typically found in machine and factory environments. By ignoring the effects of unwanted vibration or system noise – scale settling time is reduced and the output speed of stable Gross and Net weight readings is dramatically increased.

Benefits

Plug and Play Weigh Scale

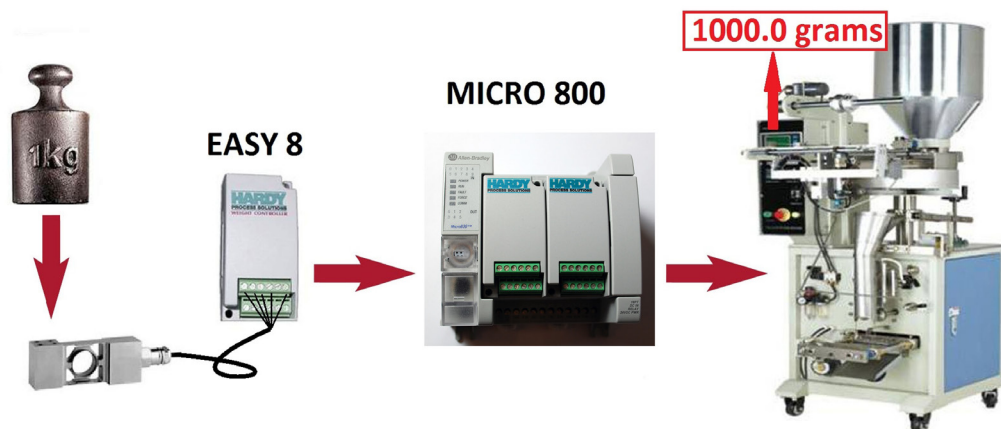
- In a snap, adds powerful weight controller functionality to your PLC

Simple Function Block Programming

- Speeds Up Configuration and Deployment
- Samples available free on our website

Direct Backplane to the Micro800™

- Reduce installation time and system costs
- No need for external wiring



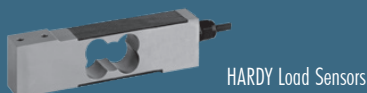
HARDY's new EASY 8 for Micro 800 PLCs

COMPONENTS TO COMPLETE YOUR HARDY EASY 8™ SYSTEM

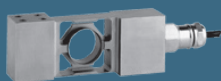


Hardy Load Sensors and Bench Scales

Hardy carries a wide variety of strain gauge load points and scale bases to accommodate your application requirements.



HARDY Load Sensors



Hardy Bench Scales



Hardy Junction Box

A NEMA 4 rated waterproof enclosure contains a summing card that sums from one to four load sensor signals.



SPECIFICATIONS

EASY 8

Resolution

- 16 bit

Common Mode Rejection

- 84dB at or below 60Hz

Conversion Rate

- 55 updates per second

Vibration Frequency Rejection

- 1.0 Hz, 3.5 Hz, 7.5 Hz, OFF

Power

- From backplane: +24Vdc @ 45 mA, Class 2
+3.3 Vdc @ 60 mA, Class 2

Backplane Current

- 60mA

Inputs

- Signal: -0.3mV through +15.3mV
- Sense: + 5Vdc

Outputs

- Excitation 5Vdc

Supported Sensors

- Single: 350Ω - 1000Ω
- One to four: 1000Ω

Processing

- Net, Gross, Tare

Calibration

- Traditional (test weights) (Not C2® compatible)

Environmental Conditions

- Operating Temperature: -20 to 65°C (-4 to 149°F)

Relative Humidity

- 0 to 90% (non-condensing)

Weight

- 0.78 oz (22 grams)

Dimensions

- 2.5" H x 1.25" W x 1.8" D (62mm x 31mm x 20 mm)

Certifications

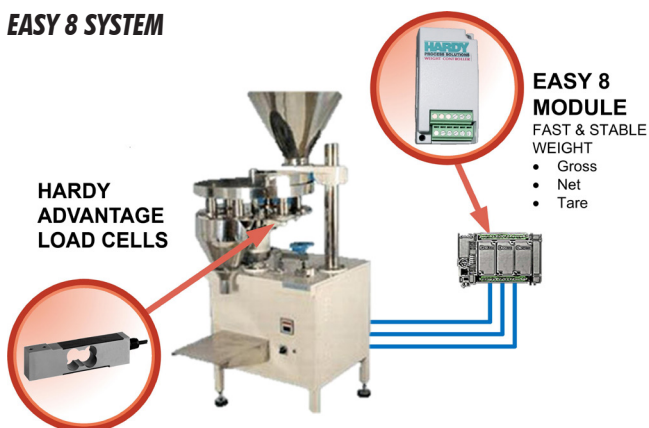
- UL/CUL (ordinary locations), CE
- RoHS3 and REACH Compliant

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.

EASY 8 SYSTEM



HARDY
ADVANTAGE
LOAD CELLS

EASY 8 MODULE

FAST & STABLE
WEIGHT

- Gross
- Net
- Tare

To learn more about the EASY 8 Weigh Scale Module 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

IDEAL SOLUTION FOR:

- Conversion of existing volumetric filling machinery to precision gravimetric filling
- By-weight small ingredient mixers
- By-weight bulk bin dispensers
- Automatic inventory monitoring
- Silo and vessel monitoring
- Automatic check-scales/check-sorting
- Force Control
- Tension Control

HARDY

PROCESS SOLUTIONS

Measurement • Automation • Productivity

Hardy Process Solutions

10075 Mesa Rim Road
San Diego, CA 92121
tel. +1-858-278-2900
tel. 800-821-5831
www.hardysolutions.com
hardyinfo@hardysolutions.com



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0400-0017-01K
HI 2080-WS0522

www.hardysolutions.com • 800.821.5831