

# EASY 8™ Series

## Weigh Scale Module

for use with the Allen-Bradley® Micro800™



Technology Partner

A ROCKWELL AUTOMATION PARTNER

## 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

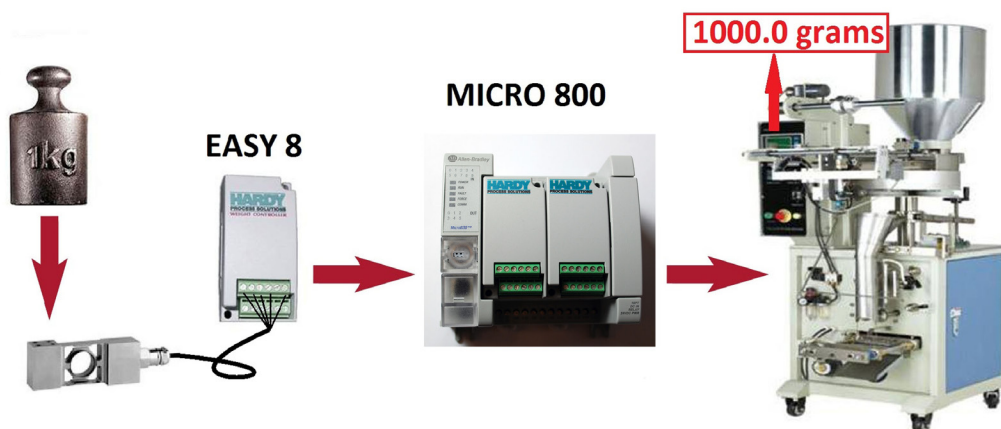
- In a snap, adds powerful weight controller functionality to your PLC

### 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 EASY 8 for Micro 800 PLCs

## COMPONENTS TO COMPLETE YOUR HARDY EASY 8™ SYSTEM

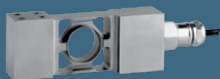


### Hardy Load Sensors and Bench Scales

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

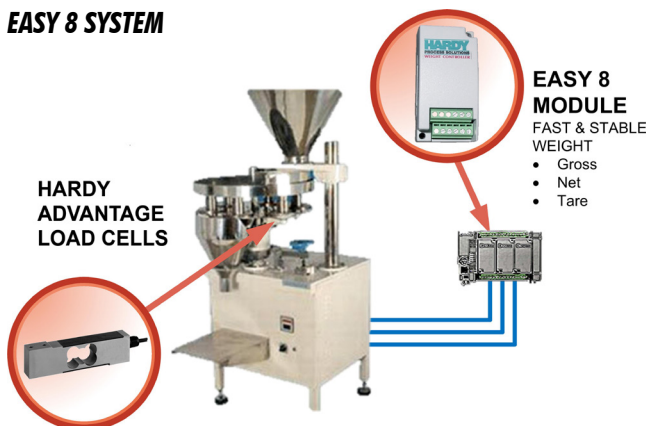
- UL/CUL (ordinary locations), CE
- RoHS3 and REACH Compliant

#### 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



#### 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

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ISO 9001

**BUREAU VERITAS**  
Certification



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