



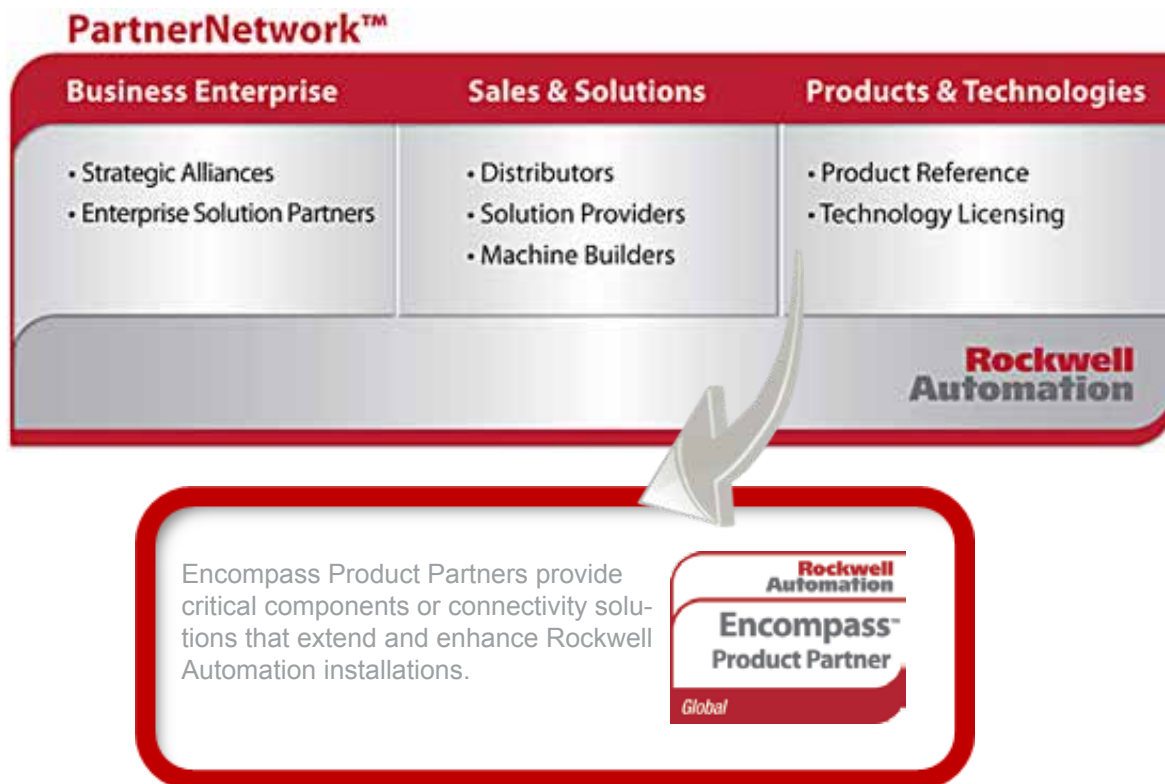
YOUR PARTNER IN PROCESS MEASUREMENT

- PEOPLE
- PROCESS
- SOLUTIONS
- PRODUCTIVITY

LEVERAGE PEOPLE WHO ARE COLLABORATING TO HELP YOU

Rockwell Automation PartnerNetwork™

Hardy Process Solutions is an Encompass Partner in the Rockwell Automation PartnerNetwork program. The PartnerNetwork is a framework of well-managed relationships formed as a result of customer needs. It provides manufacturers with access to a local, regional and worldwide network of experts. These partners offer the industry experience and technological know-how to help solve business challenges both large and small.



*“collaborating to
accelerate your
manufacturing
productivity”*

LEVERAGE A COMPANY WHO UNDERSTANDS YOUR PROCESS

Four Reasons to Partner with Hardy

- 1 We specialize in **process weighing**.
- 2 We serve **manufacturers and processors**.
- 3 We **measure**, integrate to **automation** and deliver **productivity**.
- 4 Our solutions optimize **stock, make, pack and ship** operations.



We know Measurement, Automation & Productivity.
Our solutions optimize your operations:

- Hardy was founded as Hardy Scales in 1918
- Hardy developed the first PLC integrated weighing system for an Allen Bradley PLC
- Hardy pioneered WEVERSAVER®, the technology which eliminates the effects of vibration on weighing systems.
- Hardy is part of Roper Industries, a \$3 B+ public company.



Improve your inventory
management accuracy

**SILO & TANK
MEASUREMENT
SOLUTIONS**



Optimize your batching/
blending accuracy and
throughput

**FEED AND RATE
CONTROL SOLUTIONS**



Tighten the
tolerances on
your packaging lines

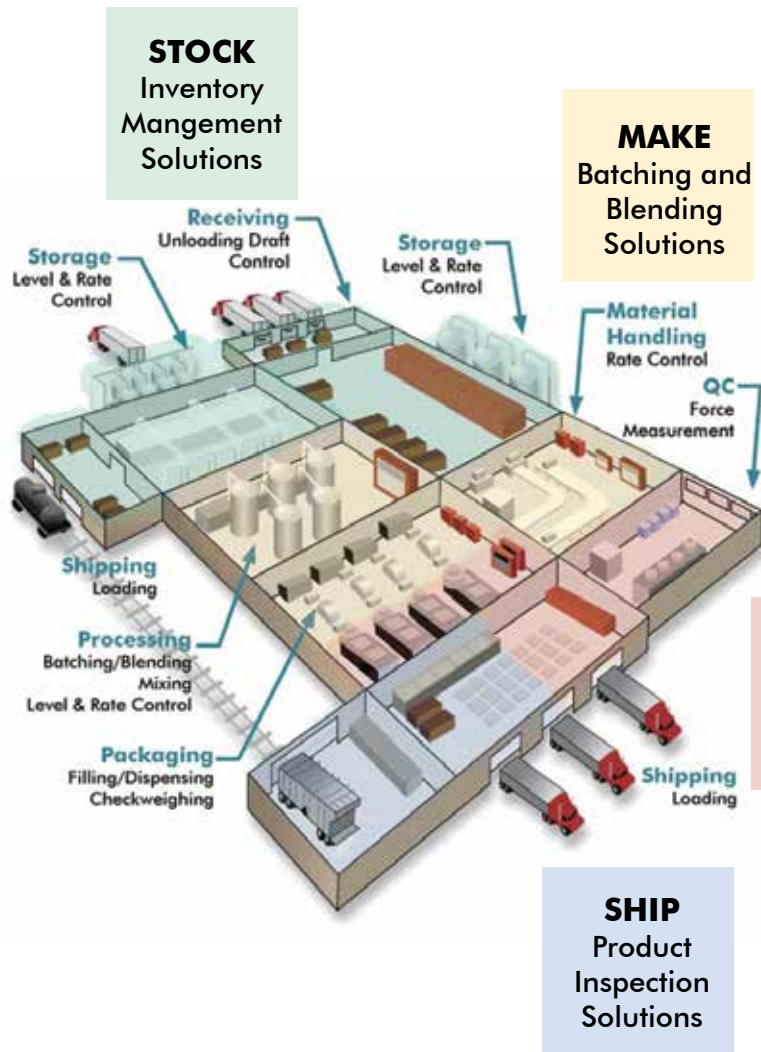
**FILL & DOSING
CONTROL
SOLUTIONS**



Enhance
your product
inspection
capability

**CHECK
WEIGHING
SOLUTIONS**

LEVERAGE SOLUTIONS THAT ARE STRUCTURED TO MEET YOUR BUSINESS NEEDS



Our Configured, Configurable, and Configurable with built-in Applications solution offerings give you the choice to match your operational needs and your budget. Whether your solution needs to align with Configured (\$'s), Configurable (KPI's) or if you need Applications (productivity), we have a solution and product line to match your requirement.



DEPLOY A TOOLKIT THAT DELIVERS VALUE ACROSS MULTIPLE BUSINESS FUNCTIONS

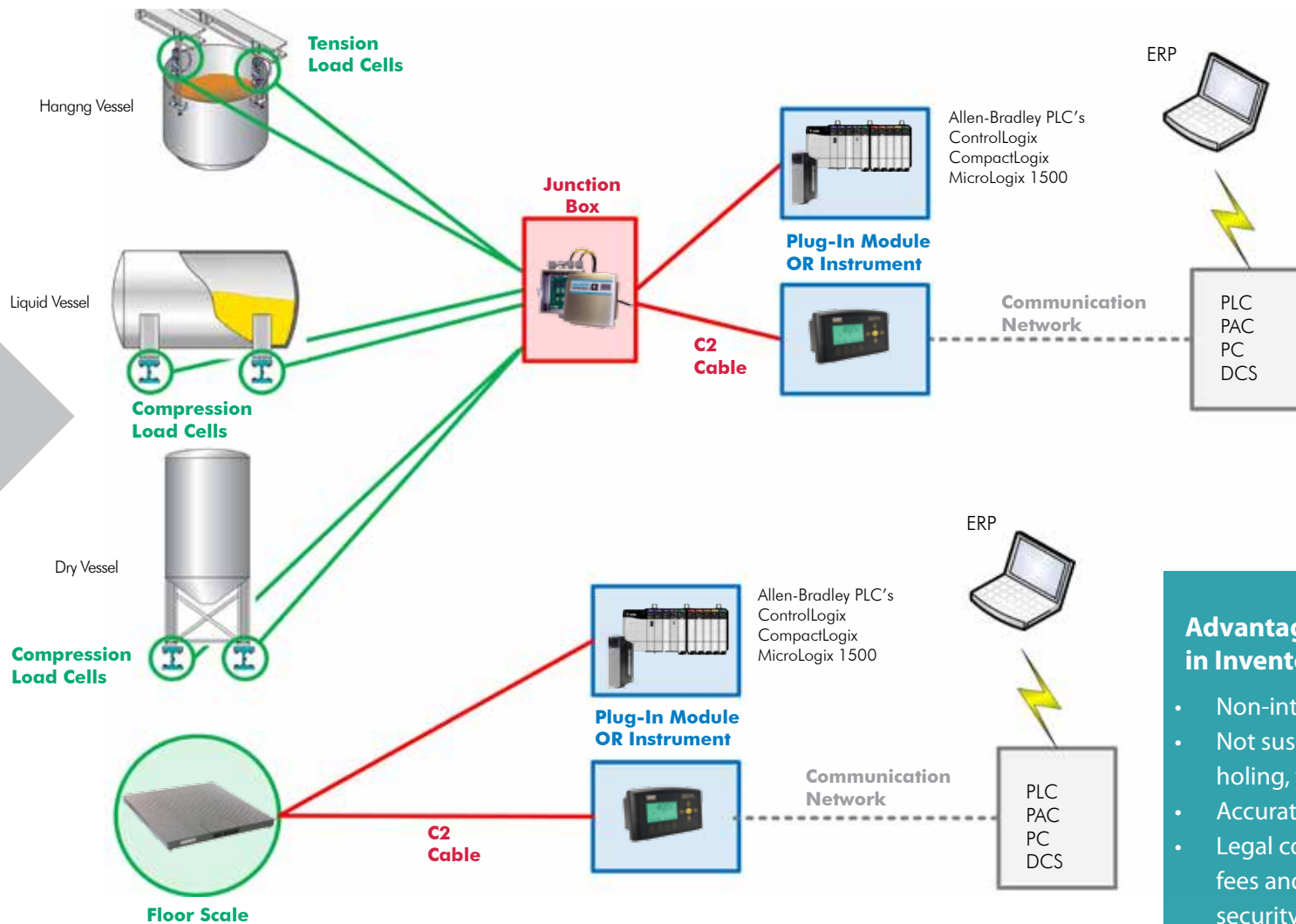
VALUE DELIVERED
TO FINANCE &
OPERATIONS

VALUE DELIVERED
TO ENGINEERING &
MAINTENANCE

		ACCURATE	STABLE	FAST	ANYWHERE	EASY
Weight Free Calibrations Saves time, Increases Safety	eCAL	FACTORY CALIBRATED	TESTED & DOCUMENTED	SAVES ~ 4 HOURS	LOCAL OR REMOTE	NO WEIGHTS PUSH BUTTON
Operator Diagnostics Saves Time, Increases Uptime	IT <small>INTEGRATED TECHNICIAN</small>	ERROR FREE	TESTED & DOCUMENTED	SAVES ~ 3 HOURS	LOCAL OR REMOTE	PUSH BUTTON
Digital Vibration Filtering, Stability Saves Time, Higher Throughput	WAVERSAVER WAVERSAVER +	REDUCES WASTE	FEWER READ ERRORS	DECREASES PROCESS TIME	ALMOST ANY APPLICATION	SIMPLE SETUP
Proactive Feed Management Saves Material, Higher throughput	FEED-MASTER	IMPROVES QUALITY	MANAGES EXCEPTIONS	SAVES RAW MATERIALS	ALMOST ANY APPLICATION	AUTOMATIC ADJUSTMENT
Proactive Piece Inspection Saves Product, Reduces Risk	CHECK-MASTER	REDUCES WASTE	FEWER READ ERRORS	DECREASES READ TIMES	ALMOST ANY APPLICATION	INCLUDES PIECE DETECT
No software/PC Setup Saves Time, Increases Access	Webserver	ERROR FREE	TESTED & DOCUMENTED	ACCELERATES SETUP/MAINT	LOCAL OR REMOTE	NO SOFTWARE
Protected, Transferrable Setup Saves Time, Reduces Risk	SMM-SD <small>Secure Machine Memory</small>	ERROR FREE	TESTED & DOCUMENTED	SAVES ~2 HOURS	OPEN SOURCE MEDIUM	EASY CARD EXCHANGE
Validated Integration Tools Saves Time, Reduces Risk		ERROR FREE	TESTED & DOCUMENTED	SAVES ~3 HOURS	IN-CHASSIS OR ON-WIRE	PRE CERTIFIED PROFILES

INVENTORY MANAGEMENT SOLUTIONS

- Level-by-Weight
- Draft Control



Advantages of Using Weight in Inventory Control

- Non-intrusive
- Not susceptible to bridging, rat holing, foaming or fogging
- Accurate weigh/level
- Legal compliance - reduced fees and compliance costs; security in continued operation

BENEFITS OF HARDY CORE FEATURES IN INVENTORY MANAGEMENT

C2 Electronic Calibration

Weight-Free Calibrations
Saves Time
Increases Safety

IT Integrated Technician

Automated Diagnostics
Reduces Downtime
Reduces Rework

WAVERSAVER

Automatic Vibration Elimination
Higher Accuracy
Reduces Material Waste

WebServer

Open Connectivity Tools
Saves Time
Reduces Effort




















SMM / SMM-SD

Intuitive, Safe & Transferrable Set-ups
Saves Time
Reduces Risk

C2, IT

C2, IT, WAVERSAVER

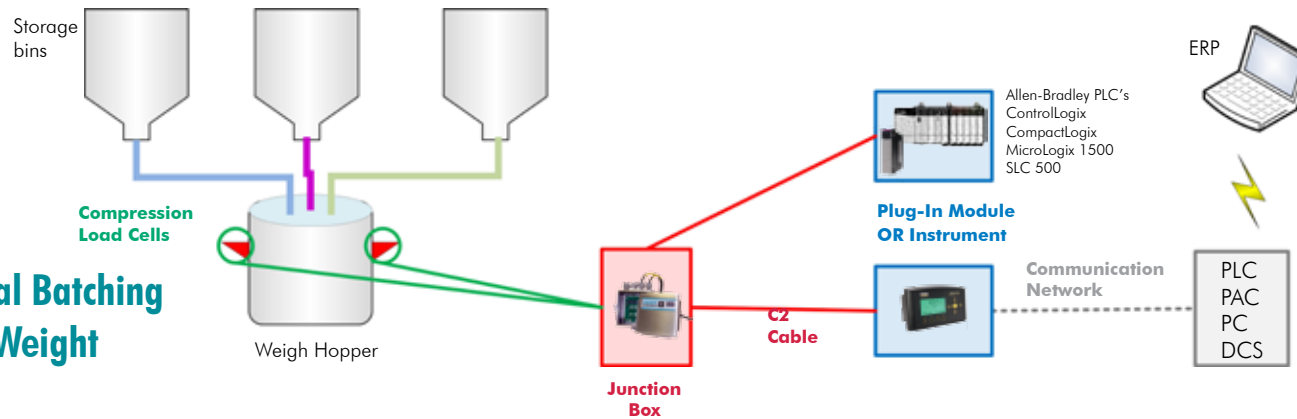
C2, IT, WAVERSAVER, WEBSEVER, SMM

LOAD CELLS/SCALES		JUNCTION BOXES/C2 CABLE		PLC MODULES		INSTRUMENTS		COMMUNICATIONS
ADVANTAGE HI HLPT/S-type Medium capacity 225-11.25K lbs SS or plated mounting, IP68		INTEGRATED TECHNICIAN (IT) Junction Box Stainless, fiberglass, painted steel With and without trim pots*		ControlLogix HI 1756-WS - Single Scale HI 1756-2WS - Dual Scale		Single Scale Controllers HI 4050 Panel Mount with display (-PM) Wall Mount with display (-WM) Din Rail Blind (-DR)		EtherNet IP - Modbus TCP ControlNet - Modbus RTU DeviceNet - Remote I/O Profibus - Analog Ethernet TCP/IP
ADVANTAGE HI LPB/Shear beam Light to medium capacity 44-450 lbs SS or plated mounting, IP68		Junction Box (no IT) Stainless, fiberglass, painted steel With and without trim pots* TB-10 model connects more than 4 load cells (*Trim pots cannot be used with C2)		CompactLogix & MicroLogix 1500 HI 1769-WS - Single Scale HI 1769-2WS - Dual Scale		HI 2151/30 Panel Mount with display (-PM) Wall Mount with display (-WM) Blind remote (-R)		Profibus - Remote I/O Analog - Serial BCD
ADVANTAGE HI HLPS/Beam Med. to high capacity 1,125 - 22.5K lbs SS or plated mounting, IP68		C2 Cable Eight conductor 22 AWG copper - 2 excitation - 2 signal - 2 for C2 - 2 sense Designed for low voltage, load point performance characteristics and switching commands. Use from Junction Box to Weight Controller		SLC 500 HI 1746-WS - Single Scale		Multi-Scale Controllers HI 3030 Full console with display (-PM) Blind remote (-R)		EtherNet IP - Modbus TCP ControlNet - DeviceNet Profibus - Analog Ethernet TCP/IP
ADVANTAGE HI LPRC/Rocker High capacity 33K - 50K lbs SS or plated mounting, IP68				Micro 800 EASY 8		Weight Processors HI 6300 Series Blind or with monochrome display Split Screen Display Mode (HI 6310 only)		Modbus RTU Ethernet TCP/IP Analog 4-20 (HI 6310 only) Ethernet UDP
ADVANTAGE HI LPRC3/Rocker High capacity 66K-660K lbs SS or plated mounting, IP68						Weight Indicators & Transmitters HI 200DNWM DeviceNet weigh module		DeviceNet
ADVANTAGE Lite HI LPRE Medium capacity 440-4,400 lbs Stainless steel or plated mounting IP67, Value Line						HI 2110WI Panel mount with Display		Profibus - Remote I/O Analog
Scales ANY-WEIGH Floor Scale 30"x30" - 6'x8', 1K - 10K lbs capacity SS or plated steel Smooth or diamond plate deck						HI 2204LT Load cell level transmitter		Analog

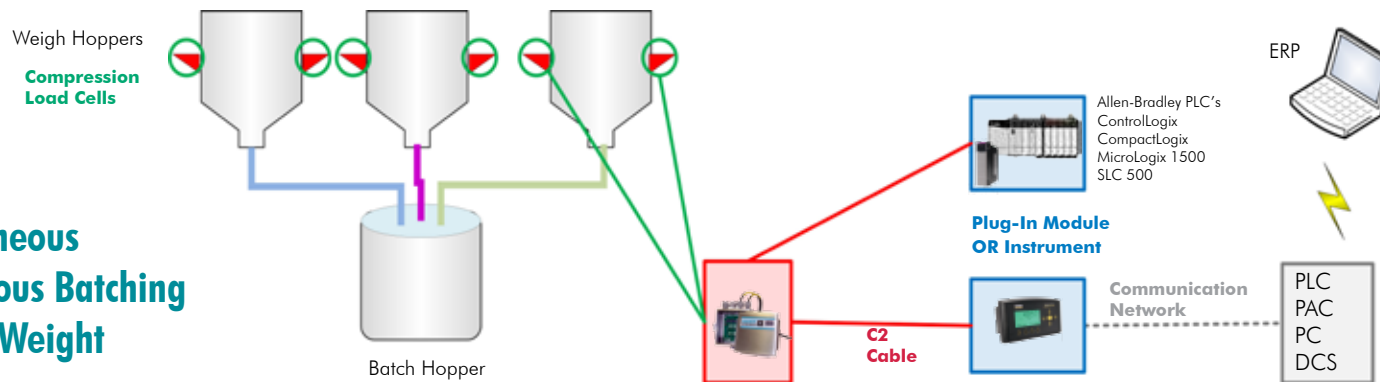
BATCHING AND BLENDING SOLUTIONS



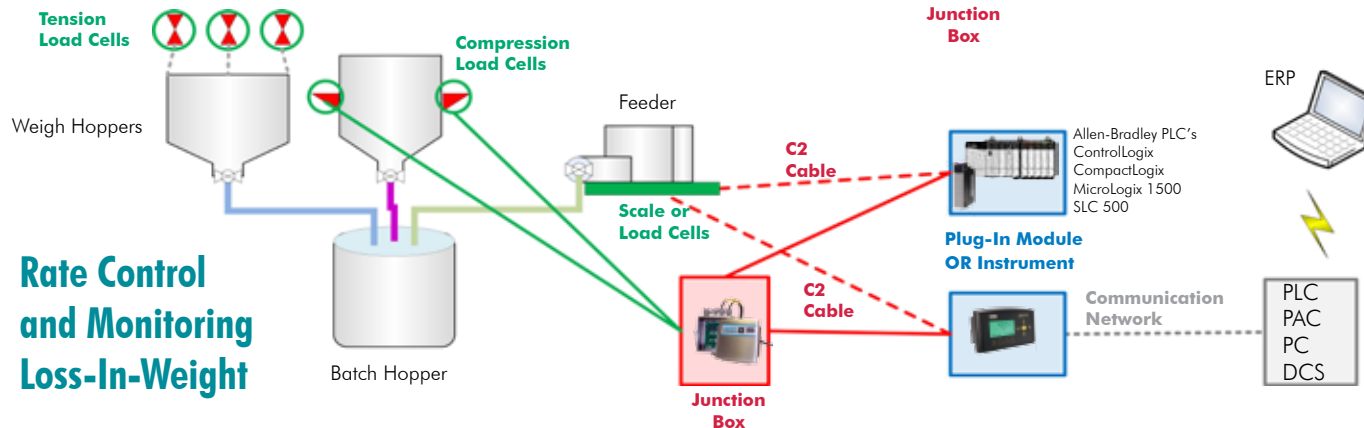
- Sequential Batching
- Gain-In-Weight



- Simultaneous
- Continuous Batching
- Loss-In-Weight



- Rate Control and Monitoring
- Loss-In-Weight



Advantages of using Weight in Batching and Blending Systems

- Lower initial costs
- Fewer components to maintain
- Accurate recipe/level
- Quality - consistent customer satisfaction
- Legal compliance - reduced fees and compliance costs; security in continued operation

BENEFITS OF HARDY CORE FEATURES IN BATCHING AND BLENDING

C2 Electronic Calibration

Weight-Free Calibrations
Saves Time
Increases Safety

IT Integrated Technician

Automated Diagnostics
Reduces Downtime
Reduces Rework

WAVERSAVER



















Automatic Vibration Elimination
Higher Accuracy
Reduces Material Waste

WebServer

Open Connectivity Tools
Saves Time
Reduces Effort

SMM / SMM-SD

Intuitive, Safe & Transferrable Set-ups
Saves Time
Reduces Risk

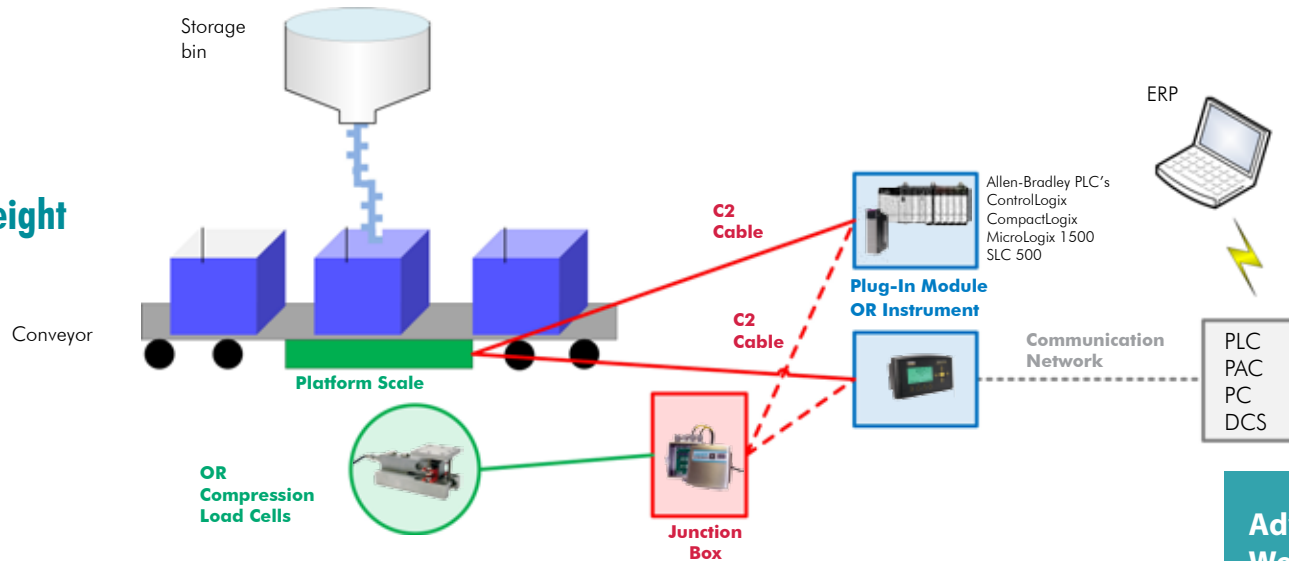
C2		C2, IT		C2, IT, WAVERSAVER		C2, IT, WAVERSAVER, WEBSERVER, SMM	
LOAD CELLS/SCALES		JUNCTION BOXES/C2 CABLE		PLC MODULES		INSTRUMENTS	COMMUNICATIONS
ADVANTAGE HI LPB/HI HLPs <u>Shear beam</u> Light to High capacity 44-22.5K lbs Stainless steel or plated mounting IP68		INTEGRATED TECHNICIAN (IT) Junction Box Stainless, fiberglass, painted steel With and without trim pots*		ControlLogix HI 1756-WS - Single Scale HI 1756-2WS - Dual Scale HI 1756-FC - Feeder Control HI1756nDF - Dispenser/Filler		Single Scale Controllers HI 4050 Panel Mount with display (-PM) Wall Mount with display (-WM) Din Rail Blind (-DR)	 EtherNet IP - Modbus TCP ControlNet-Modbus RTU DeviceNet - Remote I/O Profibus - Analog Ethernet TCP/IP
ADVANTAGE HI LPRA/HI LPRC03/Rocker High capacity 33K - 660K lbs Stainless steel or plated mounting IP68		Junction Box (no IT) Stainless, fiberglass, painted steel With and without trim pots* TB-10 model connects more than 4 load cells (*Trim pots cannot be used with C2)		CompactLogix & MicroLogix 1500 HI 1769-WS - Single Scale HI 1769-2WS - Dual Scale HI 1769-FC - Feeder Control		HI 2151/30 Panel Mount with display (-PM) Wall Mount with display (-WM) Blind remote (-R)	 Profibus - Remote I/O Analog - Serial BCD
ADVANTAGE Lite HI LPRE Medium capacity 440-4,400 lbs Stainless steel or plated mounting IP767, Value Line		C2 Cable Eight conductor 22 AWG copper - 2 excitation - 2 signal - 2 for C2 - 2 sense		SLC 500 HI 1746-WS - Single Scale		Multi-Scale Controllers HI 3030 Full console with display (-PM) Blind remote (-R)	 EtherNet IP-Modbus TCP ControlNet - DeviceNet Profibus - Analog Ethernet TCP/IP
Scales ANY-WEIGH Bench Scale 12"x12" & 24"x24", 33 - 1,300 lbs. Stainless steel tops Low profile, rugged construction		Designed for low voltage, load point performance characteristics and switching commands. Use from Junction Box to Weight Controller		Micro 800 EASY 8		Rate Controller HI 4060 Panel Mount with display (-PM) Wall Mount with display (-WM) Din Rail Blind (-DR)	 EtherNet IP-Modbus TCP ControlNet - DeviceNet Profibus - Analog
ANY-WEIGH Floor Scale 30"x30" - 6'x8', 1K - 10K lbs capacity SS or plated steel Smooth or diamond plate deck						Weight Processors HI 6300 Series Blind or with monochrome display Split Screen Display Mode (HI 6310 only)	 Modbus RTU Ethernet TCP/IP Analog 4-20 (HI 6310 only) Ethernet UDP
						Weight Indicators & Transmitters HI 200DNWM DeviceNet weigh module	 EtherNet IP-Modbus TCP ControlNet - DeviceNet Profibus - Analog

PACKAGING SOLUTIONS

- Filling
- Dispensing



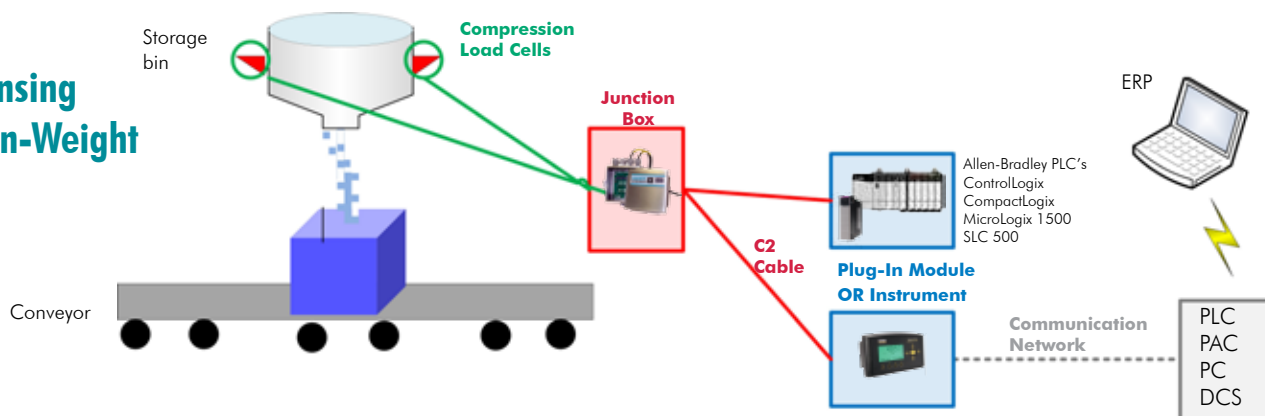
- Filling
- Gain-In-Weight



Advantages of using Weight in Packaging Systems

- Lower long term costs
- Accurate weight/level
- Quality - consistent customer satisfaction
- Legal compliance - reduced fees and compliance costs; security in continued operation

- Dispensing
- Loss-In-Weight



BENEFITS OF HARDY CORE FEATURES IN PACKAGING SOLUTIONS

C2 Electronic Calibration

Weight-Free Calibrations
Saves Time
Increases Safety

IT Integrated Technician

Automated Diagnostics
Reduces Downtime
Reduces Rework

WAVERSAVER




















Automatic Vibration Elimination
Higher Accuracy
Reduces Material Waste

WebServer

Open Connectivity Tools
Saves Time
Reduces Effort

SMM / SMM-SD

Intuitive, Safe & Transferrable Set-ups
Saves Time
Reduces Risk

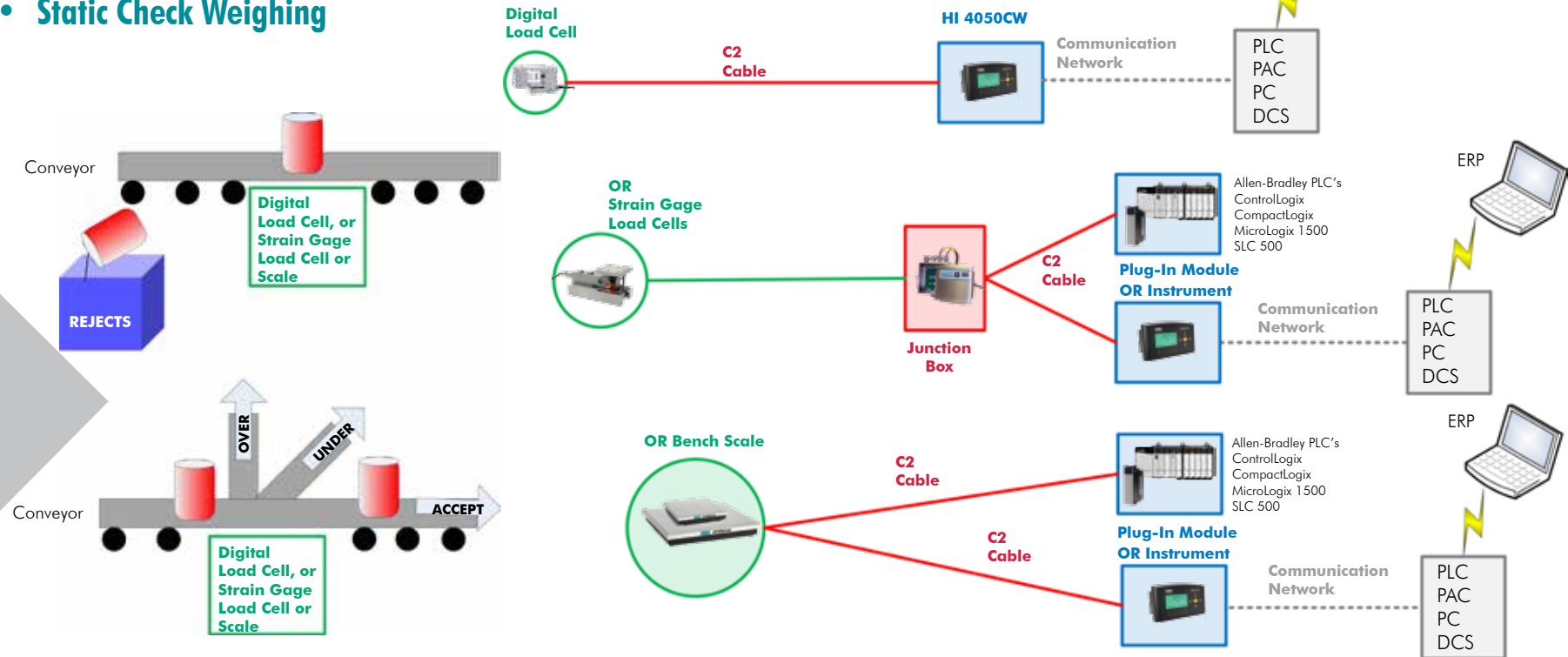
C2	C2, IT	C2, IT, WAVEVERSAVER	C2, IT, WAVEVERSAVER, WEBSERVER, SMM	
LOAD CELLS/SCALES	JUNCTION BOXES/C2 CABLE	PLC MODULES	INSTRUMENTS	COMMUNICATIONS
<u>ADVANTAGE HI HLPT/ S-type</u> Medium capacity 225-11.25K lbs Stainless steel or plated mounting IP68	 <u>INTEGRATED TECHNICIAN (IT) Junction Box</u> Stainless, fiberglass, painted steel With and without trim pots* <u>Junction Box (no IT)</u> Stainless, fiberglass, painted steel With and without trim pots* TB-10 model connects more than 4 load cells (*Trim pots cannot be used with C2) <u>C2 Cable</u> Eight conductor 22 AWG copper - 2 excitation - 2 signal - 2 for C2 - 2 sense Designed for low voltage, load point performance characteristics and switching commands. Use from Junction Box to Weight Controller	 <u>ControlLogix</u> HI 1756-WS - Single Scale HI 1756-2WS - Dual Scale HI 1756-nDF - Dispenser/Filler  <u>CompactLogix & MicroLogix 1500</u> HI 1769-WS - Single Scale HI 1769-2WS - Dual Scale  <u>SLC 500</u> HI 1746-WS - Single Scale  <u>Micro 800 EASY 8</u>	 <u>Filler Dispenser/IBC</u> HI 3010 Full console with display (-PM) Blind remote (-R)  <u>Single Scale Controllers</u> HI 4050 Panel Mount with display (-PM) Wall Mount with display (- WM) Din Rail Blind (-DR) HI 2151/30 Panel Mount with display (-PM) Wall Mount with display (-WM) Blind remote (-R)  <u>Multi-Scale Controllers</u> HI 3030 Full console with display (-PM) Blind remote (-R) <u>Weight Processors</u> HI 6300 Series Blind or with monochrome display Split Screen Display Mode (HI 6310 only) <u>Weight Indicators & Transmitters</u> HI 200DNWM DeviceNet weigh module	 EtherNet IP - Modbus TCP ControlNet - DeviceNet Profibus - Analog Ethernet TCP/IP  EtherNet IP - Modbus TCP ControlNet - Modbus RTU DeviceNet - Remote I/O Profibus - Analog Ethernet TCP/IP  Profibus - Remote I/O Analog - Serial BCD  EtherNet IP - Modbus TCP ControlNet - DeviceNet Profibus - Analog Ethernet TCP/IP  Modbus RTU Ethernet TCP/IP Analog 4-20 (HI 6310 only) Ethernet UDP  EtherNet IP- Modbus TCP ControlNet- DeviceNet Profibus - Analog
<u>ADVANTAGE HI LPB /HI HLPS Shear beam</u> Light to High capacity 44-22.5K lbs Stainless steel or plated mounting IP68				
<u>ADVANTAGE HI LPRA / HI LPRC03 Rocker</u> High capacity 33K - 660K lbs Stainless steel or plated mounting IP68				
<u>ADVANTAGE Lite HI LPRE</u> Medium capacity 440-4,400 lbs Stainless steel or plated mounting IP767, Value Line				
<u>ANY-WEIGH Bench Scale</u> 12"x12" & 24"x24", 33 - 1,300 lbs. Stainless steel tops Low profile, rugged construction				
<u>ANY-WEIGH Floor Scale</u> 30"x30" - 6'x8', 1K - 10K lbs capacity SS or plated steel Smooth or diamond plate deck				

PRODUCT INSPECTION SOLUTIONS

• Check Weighing



• Static Check Weighing


























• Dynamic Check Weighing

Advantages of using Weight in Product Inspection Systems

- Quick response time
- No need for On/Off sensors (Digital LC)
- Legal Compliance - reduced fees etc.
- Quality - consistent customer satisfaction

BENEFITS OF HARDY CORE FEATURES IN PRODUCT INSPECTION SOLUTIONS

C2 Electronic Calibration Weight-Free Calibrations Saves Time Increases Safety	IT Integrated Technician Automated Diagnostics Reduces Downtime Reduces Rework	WAVERSAVER Automatic Vibration Elimination Higher Accuracy Reduces Material Waste	WebServer Open Connectivity Tools Saves Time Reduces Effort	SMM / SMM-SD Intuitive, Safe & Transferrable Set-ups Saves Time Reduces Risk
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C2		C2, IT		C2, IT, WAVERSAVER		C2, IT, WAVERSAVER, WEBSERVER, SMM		
LOAD CELLS/SCALES		JUNCTION BOXES/C2 CABLE		PLC MODULES		INSTRUMENTS	COMMUNICATIONS	
<u>Digital Sensor Point</u> HI DCSP Capacity 2kg-50 kg Stainless steel sensor only, IP69		<u>INTEGRATED TECHNICIAN (IT) Junction Box</u> Stainless, fiberglass, painted steel With and without trim pots*		<u>ControlLogix</u> HI 1756-WS - Single Scale HI 1756-2WS - Dual Scale		<u>Single Scale Controllers</u> HI 4050 or HI 4050CW Panel Mount with display (-PM) Wall Mount with display (-WM) Din Rail Blind (-DR)	  	EtherNet IP - Modbus TCP ControlNet - Modbus RTU DeviceNet - Remote I/O Profibus - Analog Ethernet TCP/IP
<u>ADVANTAGE HI LPB/Shear beam</u> Light to medium capacity 44-450 lbs SS or plated mounting, IP68		<u>Junction Box (no IT)</u> Stainless, fiberglass, painted steel With and without trim pots* TB-10 model connects more than 4 load cells (*Trim pots cannot be used with C2)		<u>CompactLogix & MicroLogix 1500</u> HI 1769-WS - Single Scale HI 1769-2WS - Dual Scale		HI 2151/30 Panel Mount with display (-PM) Wall Mount with display (-WM) Blind remote (-R)	 	Profibus - Remote I/O Analog - Serial BCD
<u>ADVANTAGE HI HLPS/Beam</u> Med. to high capacity 1,125 -22.5K lbs SS or plated mounting, IP68		<u>C2 Cable</u> Eight conductor 22 AWG copper - 2 excitation - 2 signal - 2 for C2 - 2 sense Designed for low voltage, load point performance characteristics and switching commands. Use from Junction Box to Weight Controller		<u>SLC 500</u> HI 1746-WS - Single Scale		<u>Multi-Scale Controllers</u> HI 3030 Full console with display (-PM) Blind remote (-R)	 	EtherNet IP - Modbus TCP ControlNet - DeviceNet Profibus - Analog Ethernet TCP/IP
<u>ADVANTAGE HI LPRA / HI LPRC03 Rocker</u> High capacity 33K - 660K lbs Stainless steel or plated mounting IP68				<u>Micro 800 EASY 8</u>		<u>Weight Processors</u> HI 6300 Series Blind or with monochrome display Split Screen Display Mode (HI 6310 only)	 	Modbus RTU Ethernet TCP/IP Analog 4-20 (HI 6310 only) Ethernet UDP
<u>ADVANTAGE Lite HI LPRE</u> Medium capacity 440-4,400 lbs Stainless steel or plated mounting IP767, Value Line						<u>Weight Indicators & Transmitters</u> HI 200DNWM DeviceNet weigh module		EtherNet IP - Modbus TCP ControlNet - DeviceNet Profibus - Analog
<u>Scales</u> ANY-WEIGH Bench Scale 12"x12" & 24"x24", 33 - 1,300 lbs. Stainless steel tops Low profile, rugged construction								

SELECTING LOAD CELLS

ADVANTAGE LINE - Load Points/Sensors

Hardy's ADVANTAGE® Line load point assemblies are designed to provide exceptional performance in a safe and predictable manner. The load point consists of a precision, C2® load sensor assembled with matched mounting hardware. Each load point comes with an installation and maintenance manual which is also available for download from our Internet site at www.hardysolutions.com.

All Advantage sensors are designed with safe and ultimate loading limits which are the highest in the industry. The safe limit (200% of rated capacity) is that value above which some degradation of calibration can occur but with no permanent shift in performance. The ultimate limit (300% of rated capacity) is that point at which physical failure may occur. In selecting a load point, it is essential that the gross loadings that are anticipated fall well within the safe limits of the capacity chosen.

All Advantage load sensors are matched and calibrated for mV/V/ohm and mV/V. This removes the need for potentiometers in the summing junction box and allows a load sensor to be replaced in a weigh system without the need to re-calibrate the system.

Advantage load sensors are very accurate when the load is applied in the correct manner. Our mounting hardware is designed to direct the load properly to the load sensor while resisting angular effects and reducing moment sensitivity.

Free sliding Advantage mounts permit thermal expansion and contraction and are self checking with lift-off protection. With many years of process weighing experience, Hardy has incorporated mount designs into its load point assemblies to provide you with optimum performance.

Selection of Load Points

The following steps will quickly isolate which individual load sensors or load point assemblies will satisfy your application.

1. Determine whether the vessel to be weighed will be hung in tension or set on top of the load point assemblies in compression. Count the number of support points.
2. Determine the unloaded weight of the scale structure, vessel and all equipment to be mounted (valves, gates, vibrators, etc.) on (from) the load points. This is called the "Dead Load" (DL).
3. Determine the maximum total weight of the heaviest material to be weighed. This is called the "Live Load" (LL).
4. Calculate each load sensor's required capacity.

$$\text{Load Sensor Capacity Range} = \frac{(\text{Dead Load} + \text{Live Load})}{\text{Number of Support Points}}$$



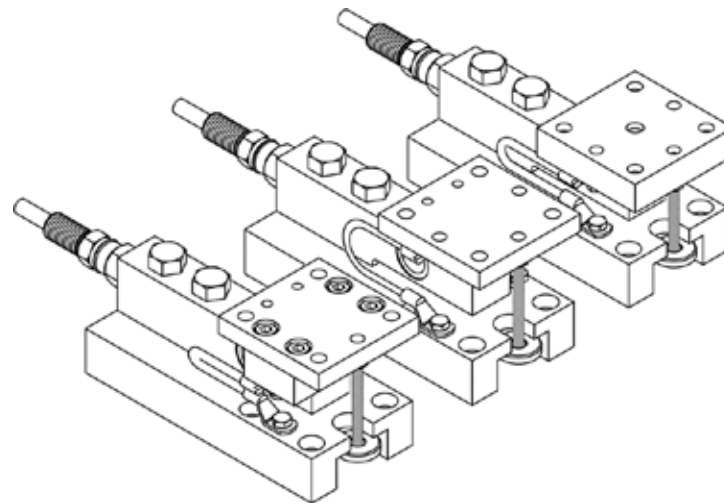
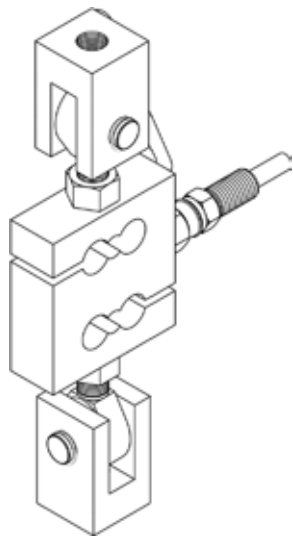
System Selection

You can also determine the load point system required by calculating the system total load.

1. Determine whether the vessel to be weighed will be suspended in tension or set on top of the load point assemblies in compression. Count the number of support points.
2. Determine the unloaded weight of the scale structure, vessel and all equipment to be mounted (valves, gates, vibrators, etc.) on (from) the load points. This is called the "Dead Load" (DL).
3. Determine the maximum total weight of the heaviest material to be weighed. This is called the "Live Load" (LL).
4. Calculate the system capacity.

$$\text{System Capacity} = (\text{DL}) + (\text{LL})$$

5. Based on the number of support points, use the single load point capacity and multiply those values by 3 or 4. Add a junction box and cable to interface with your instrument requirements, and your system is complete.



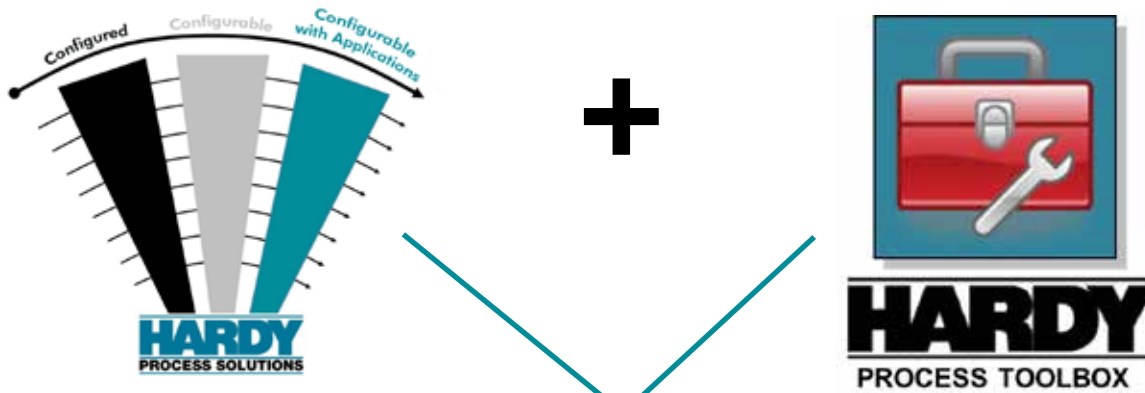
Environment

The environment where the load point is to function may be a factor in selection. For example, the Advantage load sensors are designed to operate at temperatures of 175°F to -40°F; for higher temperature, special load sensors are available. Advantage sensors are hermetically sealed in the gauge area and at the cable entry allowing them to be classified at IP68. This rating provides protection from the entry of dust and the full long-term immersion in water. The sensors and mounts (-43) are made of 17-4 stainless steel, providing a high degree of chemical corrosive resistance to solvents, alkalis and acids. Even the bolts are stainless steel and are rated to meet the sensors capacity. You can select zinc-plated steel mounting hardware for less rigorous environments. The -45 series of Load Points are plated with 12-15um Electro Zinc plus Yellow Chromate Dip.

- The long-term corrosion resistance of zinc is directly proportional to thickness. Typically commercial coatings are 3-5um thick, Hardy specifies a heavier coating of 12-15um.
- The electro zinc plating is enhanced by chemical chromate passivation conversion which applies a harder surface film, referred to as ZYC (zinc yellow chromate).
- In dry indoors environments this plating's service life prior to first signs of corrosion can be greater than 20yrs.

Refer to www.hardysolutions.com for PDF and CAD drawings.

WE DELIVER VALUE ACROSS YOUR MANUFACTURING SUPPLY CHAIN
...
SUPPORTING FINANCE, OPERATIONS, ENGINEERING & MAINTENANCE



our solutions are **EASY to** **INSTALL
INTEGRATE
OPERATE**

our products are **EASY to** **CONNECT
CONFIGURE
CALIBRATE**

our people are **EASY to** **REACH
ENGAGE
WORK WITH**

HARDY
PROCESS SOLUTIONS
 Measurement • Automation • Productivity

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 CERTIFIED

Since 1993