SETPOINT CONTROL
The HI 2151/30WC can independently control as many as eight relays based on either net, gross, rate-of-change, peak hold or totalized weight values. Each relay has its own individual preact to compensate for in-flight material, and deadband to compensate for relay chatter.

ONE MILLION COUNTS OF RESOLUTION
The HI 2151/30WC has 1,000,000 counts of resolution yielding better control, accuracy and recording in weighing applications. This is 25-50 times more than the typical weight controller resolution. You can tolerate large dead loads, over sizing of load cells, and still have an abundance of resolution to work with.

C2® ELECTRONIC CALIBRATION
C2 enables electronic calibration of the weigh system without test weights. This saves system start-up costs and aggravation.

WAVERSAVER®
WAVERSAVER eliminates the effects of unwanted plant vibration on or around the scale by permitting the weigh module to “see” through the unwanted vibration signals - as low as 0.25Hz - while yielding a stable actual reading.

SECURE MEMORY MODULE
The rear panel accessible Secure Memory Module (SMM) automatically protects and stores critical data. It allows this data to be physically transferred from one indicator to another. If a problem occurs, simply remove the current SMM and plug it into a new indicator, and your system will be up in running in minutes.
COMPONENTS TO COMPLETE YOUR HARDY SYSTEM

Hardy Bench Scales, Floor Scales and Load Points
Hardy carries a wide variety of strain gauge load points and scale bases to accommodate your application requirements.

SPECIFICATIONS

Display
- Alpha-numeric: 6 digit, 14 segment red LED
- Bar Graph: 30 segment LED

Update Rate
- 20 times per second

Averaging
- Sliding up to 200 readings in single unit increments

Resolution
- Display: 1,985,000 (3mV/V load cells)
- Internal: 1,048,000

Accuracy
- 0.0015% non-linearity

Stable Weight Reading
- Waversaver™ 0.25Hz minimum

Calibration Techniques
- C²® electronic calibration
- Traditional calibration with test weights

Setpoints
- Two internal Form C relays
- Setpoint (target weight)
- Preact (trip point)
- Deadband (reset)
- 115 VAC, 3 amp, Form C

Data Security
- Secure Memory Module (SMM)
- INTEGRATED TECHNICIAN (IT)®

Built In Diagnostics
- INTEGRATED TECHNICIAN (IT)®
- Load Point Excitation
- 5 VDC internal power supply to drive up to eight 350-ohm load cells

Standard Networking Options
- RS 232: Full duplex (-A1)
- EIA 422: Full duplex (-A2)
- EIA 485: Half duplex (-A3)
- Hardy Link LAN

Common Mode Rejection
- 100 dB at 50-60 Hz

Power Requirement
- 120/240 VAC, ± 10 %, 47-63Hz
- 10 watts with options installed

Operating Temperature
- -10° to +50°C (-14° to 122°F)

Humidity
- 0-90% non-condensing

Inputs
- 8 remote functions

Approvals
- CE, NTEP, Canada Weights & Measures
- FM Class I, II, III Div 2 Groups A-G
- UL pending

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.

To learn more about the
HI 2151/30WC visit our website:
www.hardysolutions.com
or call us:
800-821-5831

Hardy Junction Box (HI 2151 Series) with INTEGRATED TECHNICIAN
This NEMA 4 rated waterproof enclosure sums from one to four load sensor signals. Its unique design allows for easy electronic isolation and troubleshooting of the weighing system.

Enclosures

WALL MOUNT
- Display rating: NEMA 4X
- Dimensions: 3.23" H x 5.74" W x 10.40" D (82.04 H x 145.8 W x 264.2 D mm)
- Weight: 4.5 lbs (2.1 kg)

REMOTE MOUNT
- Display rating: NEMA 4X
- Dimensions: 3.23" H x 5.74" W x 10.40" D (82.04 H x 145.8 W x 264.2 D mm)
- Weight: 4.5 lbs (2.1 kg)

BLIND REMOTE MOUNT
- Dimensions: 3.23" H x 5.74" W x 10.40" D (82.04 H x 145.8 W x 264.2 D mm)
- Weight: 4.5 lbs (2.1 kg)

WALL MOUNT
- Display rating: NEMA 4X (stainless steel)
- Dimensions: 14.25" H x 12.25" W x 6.00" D (361.95 H x 311.15 W x 152.4 D mm)
- Weight: 19.8 lbs (9 kg)

MODELS

HI 2151/30WC
- Panel mount unit

HI 2151/30WC-RM
- Remote mount unit. Display can mount up to 5 feet from the instrument body.

HI 2151/30WC-BR
- Blind remote mount. Keyboard/display is not included.

HI 2151/30WC-WS
- Wall mount unit. NEMA 4X stainless steel

OPTIONS
- Analog Output
- Parallell BDC
- BDC Termination boards
- DDE I/O Server
- Remote I/O
- Profibus
- 240 VAC, 50-60Hz
- Intrinsic Barriers
- TTL Level output
- Setpoint relay option card
- Totalization
- Rate-of-change
- Peak Hold
- Portable Display
- NIST/NTEP

Hardy Process Solutions
9440 Carroll Park Dr.
San Diego, CA 92121
+1.858.278.2900
+1.858.278.6700
www.hardysolutions.com
hardyinfo@hardysolutions.com

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Since 1993

www.hardysolutions.com • 800.821.5831