1. SEE HARDY PROCESS SOLUTIONS WEB SITE FOR ADDITIONAL MOUNTING AND WIRING INFORMATION.

NOTES: UNLESS OTHERWISE SPECIFIED

3. SEE SHEETS 4 AND 5 FOR USER INTERFACE CONNECTIONS.

2. SEE SHEET 2 FOR FRONT PANEL DISPLAY OPTION DIMENSIONS.

4. SEE SHEET 3 FOR PANEL MOUNTING OPTIONS.

5. SEE SHEETS 6 AND 7 FOR PANEL MOUNT WALL SYSTEM ENCLOSURE OPTION.

6. SEE SHEET 8 FOR PANEL MOUNT WALL SYSTEM SUMMING CARD OPTIONS.

7. IF THE HI 6500 INSTRUMENT IS USED IN A MANNER NOT SPECIFIED BY HARDY PROCESS SOLUTIONS, THE PROTECTION PROVIDED BY THE INSTRUMENT MAY BE IMPAIRED.
HI 6100 SERIES FRONT PANEL DISPLAY OPTION

FRONT PANEL DISPLAY TERMINAL BLOCK

NOTES:
1. INPUT VOLTAGE RANGE:
   12 VDC, 0.16 AMP, 1.92 WATT.
2. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON
   DISPLAY TERMINATIONS.
3. WIRE SIZE: 20 AWG MAXIMUM / 26 AWG MINIMUM.
   WIRE TEMPERATURE RATING TO BE 90° C.
   TERMINAL TYPE: SPRING CAGE CONTACT.
   INSERTION/RELEASE TOOL: 2.0MM X 4MM WIDE SCREW DRIVER BLADE.
4. SEE SHEET 5 FOR HI 6500 UNIT WIRE DISPLAY TERMINATIONS.
4. MAXIMUM CABLE LENGTH: 100 FEET [30.48 METERS]

DIMENSIONS = IN [MM]

I/I DIAGRAM,
HI 6500 WEIGHT PROCESSOR

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HI 6500 WEIGHT PROCESSOR PANEL MOUNTING ARRANGEMENTS

PANEL MOUNT ARRANGEMENT - HI 6500 WEIGHT WITH DISPLAY OPTION

When ordered, display option is supplied with the following parts:
- Display Unit (1)
- Gasket (1)
- 4.06±.12 [101.6±3.0] Long Display Cable Assembly (1)
- Threaded Rod (4)
- Flat Washer (4)
- Hex Nut (4)
- Standoff (4)

ALTERNATIVE PANEL MOUNT ARRANGEMENT

Uses same parts as supplied with HI 6100 Series display option. Optional mounting brackets are included in hardware kit part number 0551-0653-03-0. Hardware kit part number 0551-0653-03-0 is to be ordered separately.

DIMENSIONS = IN [MM]
WEIGH SCALE INPUT TERMINATIONS

NOTES:

1. IF CONDUIT IS USED, DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN SAME CONDUIT WITH, POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.

2. FACTORY INSTALLED JUMPERS TO REMAIN IN PLACE ONLY FOR FOUR WIRE NON C2 LOAD CELL CONNECTION. JUMPERS TO BE REMOVED FOR SIX WIRE NON C2 OR EIGHT WIRE C2 LOAD CELL CONNECTIONS. EXCITATION AND SENSE WIRES TO BE CONNECTED TOGETHER IN JUNCTION BOX.


4. SEE USER’S GUIDE FOR ADDITIONAL INFORMATION ON LOAD CELL CONNECTIONS. USER’S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.

5. TERMINAL BLOCK WIRE SIZE RANGE: 22 AWG MIN / 16 AWG MAX. WIRE TEMPERATURE RATING TO BE 90° C. WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

6. FOR CLARITY, ONLY ONE LOAD SENSOR CONNECTION IS SHOWN.

TERMINALS FOR C2 SECOND GENERATION CALIBRATION SYSTEM LEAVE THESE TERMINALS UNCONNECTED IF C2 IS NOT USED.

DIMENSIONS = IN [MM]
POWER INPUT TERMINATIONS

NOTES:
1. INPUT VOLTAGE RANGE [24VDC NOMINAL]:
   12-24 VDC, 0.15-0.33 A, 7 WATTS MAXIMUM.
2. TERMINAL BLOCK WIRE SIZE RANGE:
   12 AWG MAXIMUM / 22 AWG MINIMUM.
   WIRE TEMPERATURE RATING TO BE 90°C.
   WIRE TIGHTENING TORQUE:
   4.4 LB-IN MINIMUM / 5.3 LB-IN MAXIMUM.

ETHERNET TERMINATION

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON
   ETHERNET TERMINATIONS.
2. CONNECTOR TYPE: RJ-45, 8 PIN

DISPLAY TERMINATIONS

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON
   DISPLAY TERMINATIONS.
2. WIRE SIZE: 20 AWG MAXIMUM / 26 AWG MINIMUM.
   WIRE TEMPERATURE RATING TO BE 90°C.
   TERMINAL TYPE: SPRING CAGE CONTACT.
   INSERTION/RELEASE TOOL: 2.0MM X .4MM WIDE SCREW DRIVER BLADE.
3. SEE SHEET 2 FOR FRONT PANEL DISPLAY WIRE TERMINATIONS.
4. MAXIMUM CABLE LENGTH: 100 FEET [30.48 METERS]

SERIAL PORT TERMINATIONS

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON
   SERIAL TERMINATIONS.
2. DO NOT BUNDLE SERIAL WIRING WITH POWER WIRING,
   RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
3. TERMINAL BLOCK WIRE SIZE RANGE:
   22 AWG MIN / 18 AWG MAX.
   WIRE TEMPERATURE RATING TO BE 90°C.
   WIRE TIGHTENING TORQUE:
   2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

USB TERMINATION

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON
   USB TERMINATIONS.
2. DO NOT BUNDLE USB WIRING WITH POWER WIRING,
   RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
3. USB PROTOCOL AND CONNECTOR TYPE: USB 2.0, FULL SPEED; TYPE A.

DIMENSIONS = IN [MM]

I/I DIAGRAM,
HI 6500 WEIGHT PROCESSOR
HI 6500 WEIGHT PROCESSOR PANEL MOUNT WALL SYSTEM [OPTION PMWS] — INTERNAL COMPONENTS

OPTION R1, R2, JB1 OR JB2 SUMMING CARD
WHEN ORDERED
SEE SHEET 6 FOR IT SUMMING CARD OR
LOAD CELL SUMMING CARD CONNECTIONS.

LOCATION RESERVED FOR CLASS II USER SUPPLIED POWER SUPPLY
MAXIMUM OVERALL DIMENSIONS:
4.00 [101.6] LONG X 2.12 [54.0] WIDE X 3.75 [95.3] HIGH
POWER SUPPLY TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS

HI 6500 WEIGHT PROCESSOR MAIN UNIT

CABLE GLAND FITTINGS, NUTS AND SEALING PLUGS, QTY 6 EACH, ARE PACKED SEPARATELY INSIDE ENCLOSURE
[SEALING PLUG TO BE INSTALLED INTO CABLE GLAND FITTING WHEN SIGNAL CABLE IS NOT USED]

CABLE GEAR NUT — TORQUE TO 50 IN-LEB [E-210]

SEALING PLUG

CABLE GEAR FITTING

NUT — TORQUE TO 45 IN-LEB [8.1NM]

NOTE:
FOR CLASS I, II, III GROUP D APPLICATIONS, THE CABLE GEAR SET PROVIDED WITH THE UNIT ARE NOT ACCEPTABLE.
THE CUSTOMER IS RESPONSIBLE FOR REPLACING THE CABLE GEAR SET WITH THE APPROPRIATE
CONDUIT FITTINGS TO MEET THE HAZARDOUS AREA REQUIREMENTS, WIRE PER LOCAL ELECTRICAL CODE.
OPTION CODES IT1 & IT2 - IT SUMMING CARD
OPTION CODES JB1 & JB2 - LOAD CELL SUMMING CARD

NOTES:
1. DO NOT RUN LOAD CELL CABLES PARALLEL TO, OR IN THE SAME CONDUIT WITH POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
2. REQUIRED LOAD CELL CABLE FOR C2 SECOND GENERATION CALIBRATION SYSTEM: HARDY PROCESS SOLUTIONS PART NUMBER 6020-0001-0.
3. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON IT SUMMING/LOAD CELL SUMMING CARD CONNECTIONS.
4. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LBF-IN MINIMUM / 4 LBF-IN MAXIMUM.

ZERO OHM JUMPER REMOVED WHEN SUMMING CARD IS EQUIPPED WITH TRIM POTS, 4 PLACES APPLIES TO OPTION CODES IT2 & JB2 ONLY
NOTE: THE USE OF TRIM POTS WILL INVALIDATE C2 CALIBRATION DATA WHEN USED WITH C2 LOAD CELLS

I/I DIAGRAM,
HI 6500 WEIGHT PROCESSOR

IT SUMMING/LOAD CELL SUMMING CARD WIRING DIAGRAM