

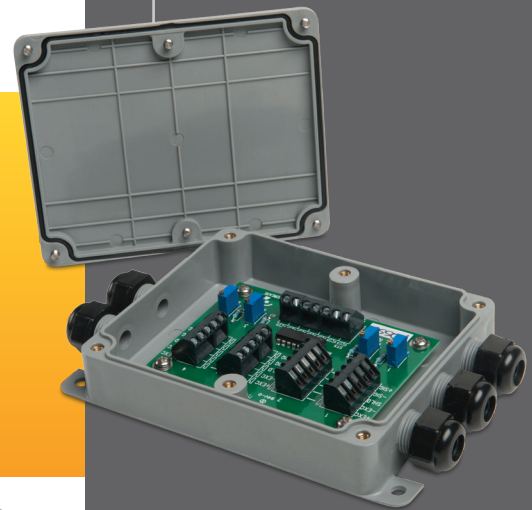


Summing/Junction Boxes

N Series

The N Series Summing/Junction Boxes are available in a variety of configurations and enclosure options to address 1 to 12 load cell/transducer inputs for tanks, bins, hoppers, silos, scales and general process weighing applications in industrial environments.

The N Series Summing/Junction Boxes are available in 4, 6, 8, 10 or 12 load cell input configurations. Functionally, the load cell inputs are multiplexed electrically in a parallel network using discrete, highly stabilized components for isolation and signal adjustments for each channel individually, with no interaction between channels. The N Series active summing capabilities distributes supplied excitation voltage to each load cell/transducer and sums the resulting signal for transmission to control instrumentation. The "home run" cable is connected between the N Series and the control instrumentation that supplies excitation voltage and accurate processing of the resulting load cell signals. Positive contact terminal connections provide secure clamping of conductors, ensuring long term stability of measured signals. The PCBA is conformally coated to protect it from the effects of condensation and corrosion. All N Series Summing/Junction Box enclosures are Hostile Environment Sealed (IP66-High Pressure Jets) by virtue of proprietary, multi-redundant barriers uniquely integrated to protect all internal components (NEMA 4/4X).



APPLICATIONS

- Multiple Load Cell Systems
- Tank/Bin/Hopper/Silo Weighing
- Weighing Systems & Scales
- Process Control
- Washdown/Corrosive Areas
- Hazardous Locations

FEATURES

- Optimizes System Accuracy
- "Corner Adjustment" Trimming For Balancing Variable Load Cell Signals
- No Interaction Between Zero And Span
- Remote (6-wire) Sensing Capable For Long Cable Runs And IS Applications
- NEMA 4/4X Sealing (IP66)
- Reinforced Fiberglass, Steel, Stainless Steel And XP Enclosures
- Sealing Glands Accommodate Cable O.D. of .138"-.315"
- Custom Enclosure Options
- Surge/Transient Protection Option
- XP Versions
- Daisy-Chain Expansion Versions
- PCBA Only Available



For more information call **1-888-545-8988**

SENTRAN, LLC 4355 LOWELL STREET, ONTARIO, CA 91761, U.S.A.
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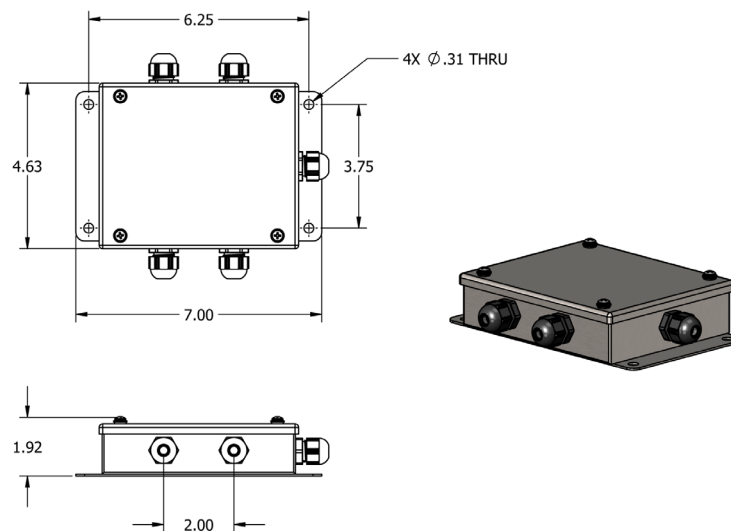
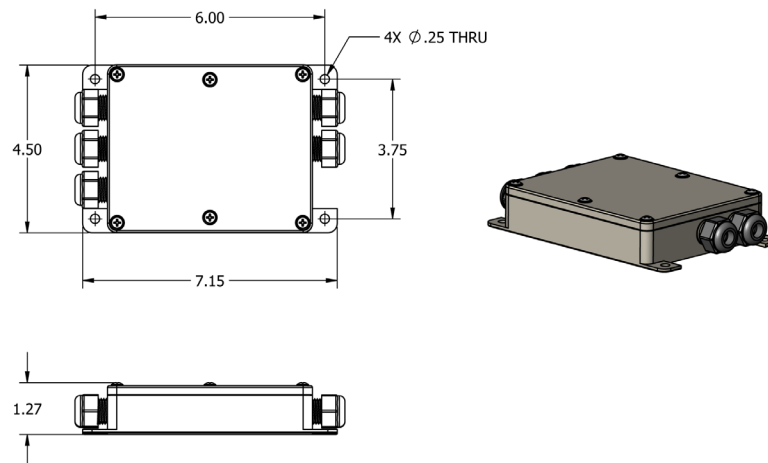


NA2

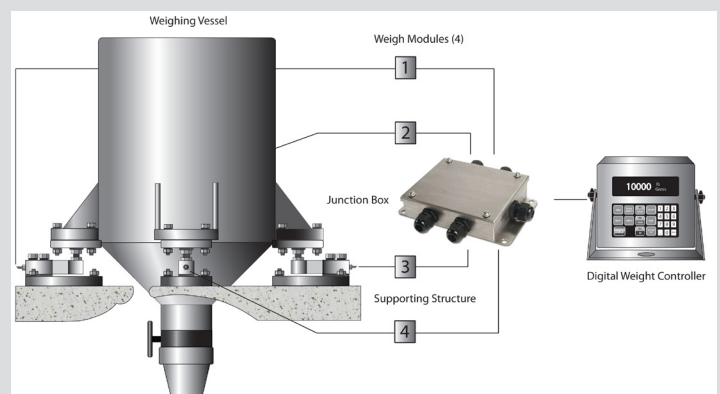
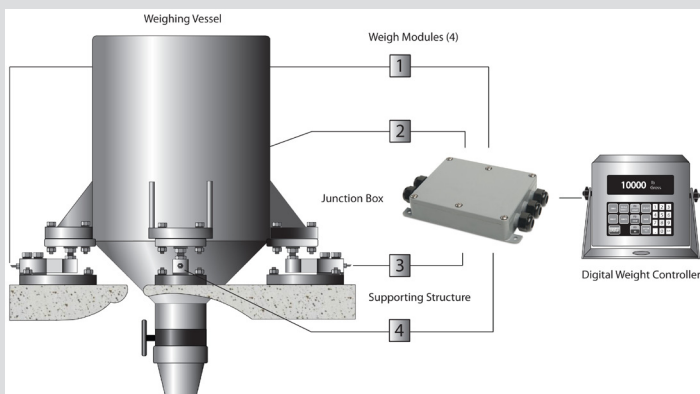
Cable Fittings:	4 Nylon cable strain relief's for load cell cable O.D. of 0.100" (2.5 mm) to 0.275" (7.0 mm) 1 Nylon cable strain relief for instrumentation cable O.D. of 0.100" (2.5 mm) to 0.275" (7.0 mm)
Connectors:	WAGO 256-4XX; 14 AWG maximum wire size; Screw clamping; 45° interface
Trimming:	Discrete channel signal trimming using 2.7K ohm isolation resistors with 2.7K ohm limiting resistors
Potentiometers:	100K ohm; 25-Turn cermet
Enclosure:	ABS; NEMA 4/4X; Wash down
Circuit board:	4.0" x 3.0" (101.6 mm X 76.2 mm); anti-fungal coating
Options:	6-conductor cable; Desiccant packs; Replacement PCBA; Cable fittings

NB3

Cable Fittings:	4 Nylon cable strain relief's for load cell cable O.D. of 0.172" (4.4 mm) to 0.315" (8.0 mm) 1 Nylon cable strain relief's for instrumentation cable O.D. of 0.172" (4.4 mm) to 0.315" (8.0 mm)
Connectors:	WAGO 256-4XX; 14 AWG maximum wire size; Screw clamping; 45° interface
Trimming:	Discrete channel signal trimming using 2.7K ohm isolation resistors with 2.7K ohm limiting resistors
Potentiometers:	100K ohm; 25-Turn cermet
Enclosure:	Stainless steel; NEMA 4/4X; 40 psi wash down
Circuit board:	4.0" x 3.0" (101.6 mm X 76.2 mm); anti-fungal coating
Options:	6-conductor cable; Desiccant packs; Replacement PCBA; Cable fittings



Typical Weighing System



Legal Disclaimer



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