

MODEL 565 HEAD PRESSURE TYPE, LARGE DIAPHRAGM, SUBMERGED LEVEL TRANSMITTER

TS565

- FOR SEWAGE AND SLURRY -

FEATURES

- Flexible Isolator for Wastewater and Slurries
- Large, Rugged BUNA-N® Rubber Diaphragm
- Supported By Rigid Pipe or Flexible Cable
- 4-20 mADC, 2 Wire, Intrinsically Safe
- 316 Stainless Steel Body
- PVC or TEF Cable Jacket
- Zero & Span Pots for Field Recalibration
- Spark & Voltage Surge Protection
- Cable Junction Box with Isolation Bladder
- Reliable, No Maintenance

TYPICAL APPLICATIONS

Sewage Lift Stations
Aerobic Digesters
Retention Basins
Alum Tanks
Wastewater Sumps

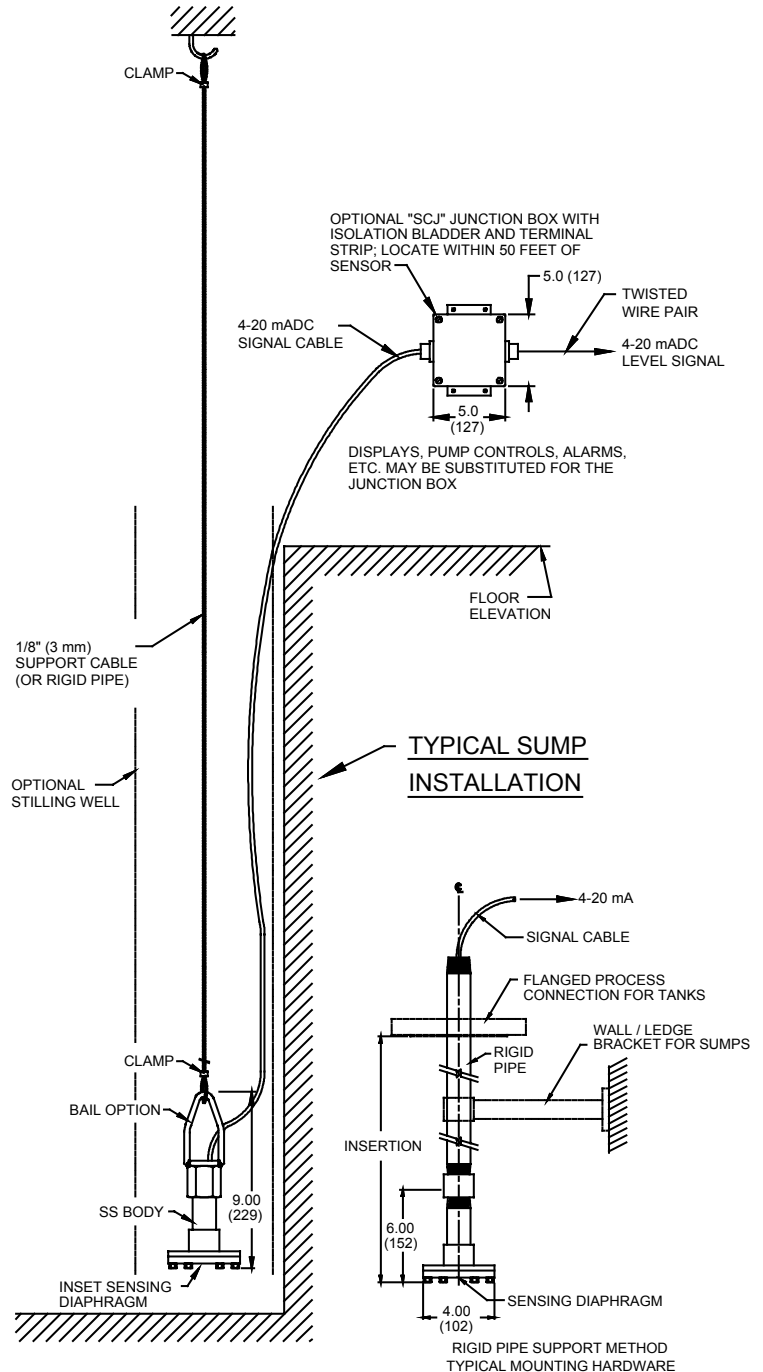
Lime Slurry
Drilling Mud
Latex Paint
Catch tanks
Oil Field Slop Tanks

DESCRIPTION

The Model 565 Level Transmitter is a completely self-contained head pressure type level transmitter. The electronics and calibration adjustments are contained inside the body with the strain gage sensor. It is of modular construction and is field repairable. The cable is sealed to the transmitter body. When installed in a lift station, sump, basin, or other containment, the strain gage sensor detects the liquid level as a function of the height and density of the liquid above it. Because the diaphragm is completely open to the product being measured, it cannot be plugged and rendered inoperable by liquids with high solids content such as sewage, wastewater, and slurries.

The diaphragm is fabricated from tough rubber and is coupled to the strain gage through a non-toxic glycerin fill. The abrasion resistant face has superior resistance to damage from gravel and other moving solids. Its large 3" active size and its smooth outer surface make it extremely durable and reliable in harsh services.

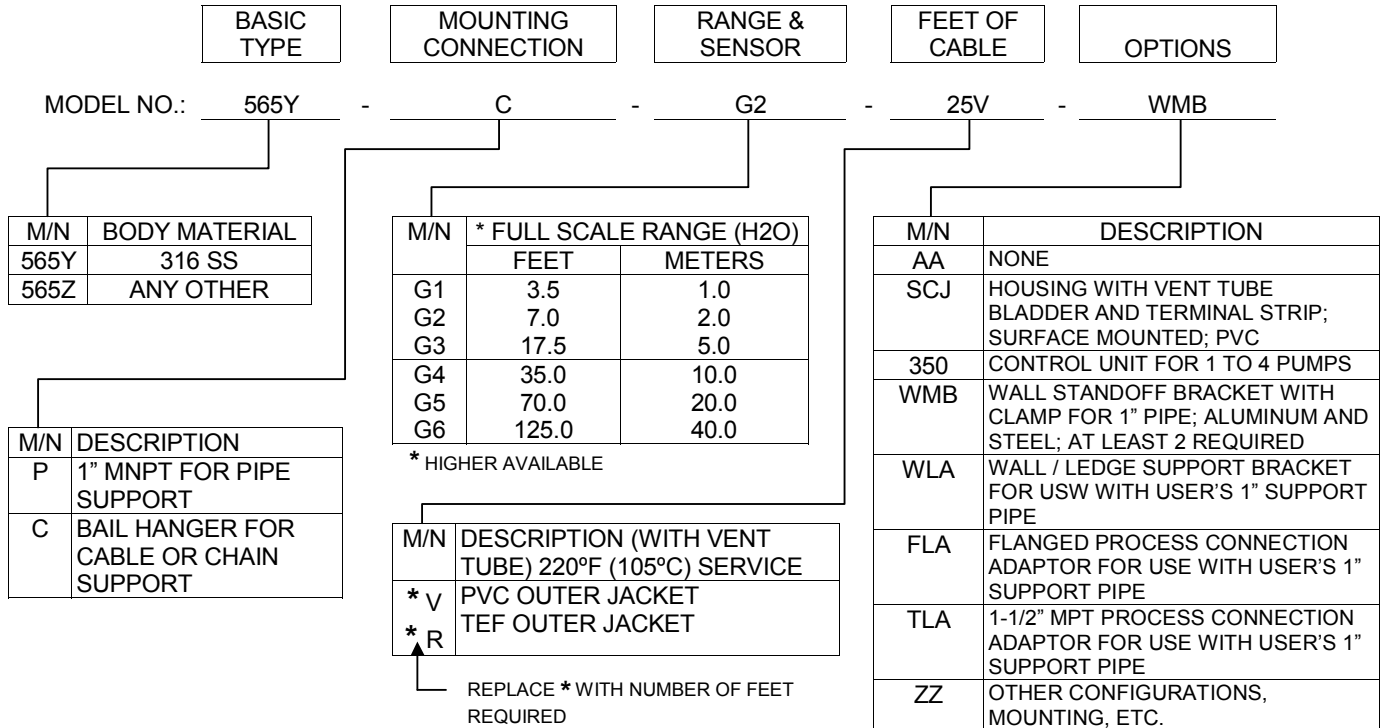
A vent tube connected directly to the sensor automatically compensates for changes in atmospheric pressure. An optional isolation bladder prevents condensation in the vent tube. No refilling or maintenance of the bladder is required.



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MODEL NUMBERING SYSTEM

LARGE DIAPHRAGM SUBMERGED LEVEL TRANSMITTER



MODEL 565 SPECIFICATIONS

Technology: Silicon strain gage
Supply Power: 13 to 35 VDC, 2 wire loop powered
Output Signal: 4-20 mA DC isolated, Intrinsically Safe
Loop Impedance: 550 ohms at 24 VDC
 1100 ohms at 35 VDC
Adjustments: Span from 30% to 100% of sensor range.
 Zero to 30% suppression basic; non-interactive
Temperature Range: -20°F to +180°F (Process)
 30°F to +130°F (Compensated)
Accuracy: ±0.25% F.S. or better
Thermal Error: ±0.02% F.S. /°F maximum
Barometric Effect: None
Over Pressure: 2x rated pressure range; 35 PSI minimum

Options Available:

Large LCD; readout in engineering units
 DC Power Supply for loop and alarms in junction box
 Alarm Module (1 or 2); SPDT, 5 amp contacts
 Model 352, 354, 358, or 360 pump controller



Transmitter Body

THIRD PARTY APPROVALS

CSA (Canada)
 NRTL/C (USA)

Intrinsically Safe
 Explosion Proof
 Environment Proof

ISO 9001 Quality System

Made in the USA by Delta Controls Corp

DELTA CONTROLS CORP

Engineered Sensors – For Difficult Services

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