

Features

- 2-wire loop powered
- Suitable for difficult liquids and slurries
- ✓ NPT, ANSI, DIN, or JIS Process Connection
- Ranges from 12 inches in water to 15 psi (1 bar to 70 bar)
- Zero and Span pots allow for field recalibration
- Surge protection
- Unaffected by process coating
- 4-20 mA calibration
- Maintenance free operation

Description

The Delta Controls **Model 562** Pressure Transmitter consists of a potted electronic module and modular pressure sensor assembly packaged as an integral unit. This transmitter is useful for **pressure measurement** of pipelines handling liquids with entrained solids. It does not have recessed cavities and therefore will not collect particles or plug up. The sensor includes an oil-filled **316-L Stainless Steel** or platinum diaphragm which isolates the strain gauge bridge from the process liquid or gas. The back of the sensor is usually vented to atmosphere to compensate for barometric pressure changes. The **electronics module** is potted in a dual system of silicon rubber and epoxy to protect against moisture, corrosion, and vibration.

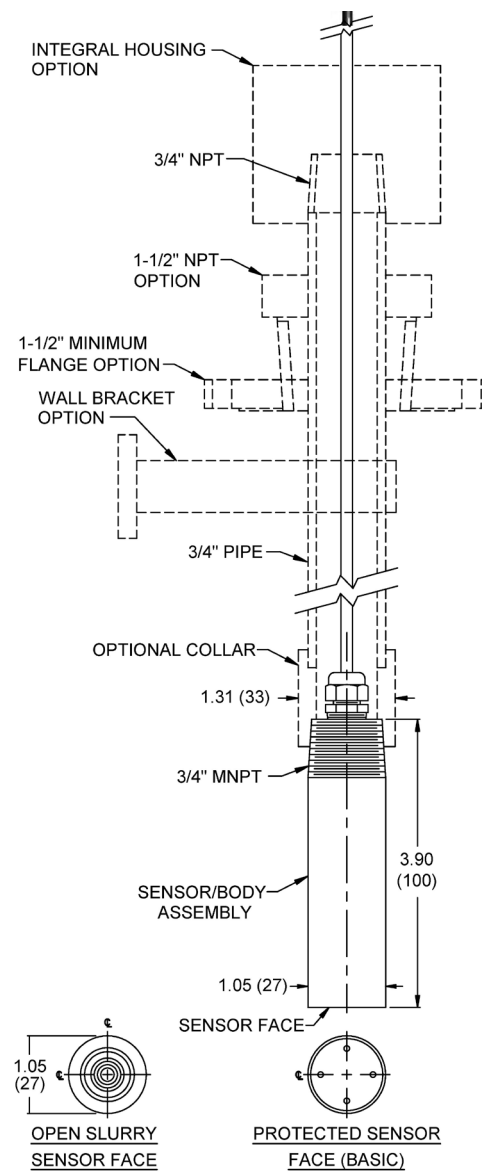
The 552 is commonly used as a liquid **level transmitter** in tanks. The pressure at the bottom of a vented tank containing a liquid is linearly proportional to the height and density of the liquid.



Model 562

Specifications

Technology:	Silicon strain gauge
Supply Power:	13 DCV to 35 DCV 2-wire loop powered
Output:	4-20 mA isolated
Loop Impedance:	550 Ω at 24 DCV, 1100 Ω at 35 DCV
Adjustments (Span):	30% to 100% of sensor range
Basic:	Zero $\leq$ 30%
Optionally Non-Interactive:	$\leq$ 80%
Over Pressure:	2X range 35 psi min without damage 3X range 1000 psi min without rupture
Process Temperature:	-20 $^{\circ}$ F to +220 $^{\circ}$ F (-29 $^{\circ}$ C to +104 $^{\circ}$ C)
Electronics Temperature:	-20 $^{\circ}$ F to +180 $^{\circ}$ F (-29 $^{\circ}$ F to +82 $^{\circ}$ C)
Compensated Temperature:	+30 $^{\circ}$ F to +130 $^{\circ}$ F (-1 $^{\circ}$ C to +54 $^{\circ}$ C)
Accuracy:	$\geq$ 0.25% FS
Thermal Error:	0.02% FS/ $^{\circ}$ F max
Insertion Length (Flush with Mounting Connection):	3 in to 600 in (120 in or shorter increments)
Certifications:	Third Party Listed by CSA NRTL/C (USA and Canada) Class I, Groups B, C and D; Class II, Groups E, F and G; Class III; Encl 4X:
Explosion-proof Housing Option:	



Model 562 • Pressure Transmitter, Cable Suspended, Pipe Supported

Model Numbering System

MODEL EXAMPLE	MODEL	-	SENSOR	-	FACE GUARD	-	HOUSING RATING	-	CABLE LENGTH	-	PROCESS CONNECTION	-	OPTIONS ²
	562Y	-	G4Y	-	P	-	7WI	-	30V	-	1"MPTS	-	AA

MODEL	DESCRIPTION
562Y	Pressure Transmitter, Cable Suspended, Pipe Supported, 316 Stainless Steel

SENSOR	RATING	MATERIAL	WATER RANGE
G1Y	1.5 psig	316 Stainless Steel	3.5 ft
G2Y	3.0 psig	316 Stainless Steel	7.0 ft
G3Y	7.5 psig	316 Stainless Steel	17.5 ft
G4Y	15.0 psig	316 Stainless Steel	35 ft

FACE GUARD	DESCRIPTION
P	Protected, for clean liquids
S	Open, for entrained solids

HOUSING RATING	DESCRIPTION
AA	None
4XI	Environment-proof, 4X, PVC, integral mount
7WI	Explosion-proof, 7X, Aluminum, Classes 1 & 2, Divisions 1 & 2, Groups BCD, EFG, Integral mount
7TI	Explosion-proof, 7X, 300 Stainless Steel, Classes 1 & 2, Divisions 1 & 2, Groups BCD, EFG, Integral mount
4XR	Environment-proof, 4X, PVC, Remote mount
7WR	Explosion-proof, 7X, Aluminum, Classes 1 & 2, Divisions 1 & 2, Groups BCD, EFG, Remote mount
7TR	Explosion-proof, 7X, 300 Stainless Steel, Classes 1 & 2, Divisions 1 & 2, Groups BCD, EFG, Remote mount

CABLE LENGTH	DESCRIPTION
**V	** feet PVC outer jacketed cable
**R	** feet Tefzel® outer jacketed cable

PROCESS CONNECTION	DESCRIPTION
1.5"MPTS	1.5 in MPT, Carbon steel
1.5"150RS	1.5 in Class 150 raised face flange, Carbon steel
2"150RS	2 in Class 150 raised face flange, Carbon steel
3"150RS	3 in Class 150 raised face flange, Carbon steel
4"150RS	4 in Class 150 raised face flange, Carbon steel
1.5"MPTY	1.5 in MPT, 316 Stainless Steel
1.5"150RY	1.5 in Class 150 raised face flange, 316 Stainless Steel
2"150RY	2 in Class 150 raised face flange, 316 Stainless Steel
3"150RY	3 in Class 150 raised face flange, 316 Stainless Steel
4"150RY	4 in Class 150 raised face flange, 316 Stainless Steel

MODEL
EXAMPLE

MODEL	-	SENSOR	-	FACE GUARD	-	HOUSING RATING	-	CABLE LENGTH	-	PROCESS CONNECTION	-	OPTIONS ²
562Y	-	G4Y	-	P	-	7WI	-	30V	-	1"MPTS	-	AA

OPTIONS ²	DESCRIPTION
AA	None
328	LCD display
PSM	2 in pipe stand housing mounting bracket
CTV	Stem to cable seal for use with remoted housing, Nylon
RC	4-20 mA calibration
VBKTP	Pipe clamp support arm for vertical mounting, Carbon steel
HBKTP	Pipe clamp support arm for horizontal mounting, Carbon steel
VBKT	Cable clamp support arm for vertical mounting, Carbon steel
HBKT	Cable clamp support arm for horizontal mounting, Carbon steel
KZ	Kalrez seals
PS1	Internal power supply; 120 ACV to 24 DCV
SU	4.0 mA adjustable up to 30% of range above sensor zero
SCI	Internal vent tube isolation bladder, Permanent, Non-refillable
SCT	Isolation bladder only, Tube-type for mounting in enclosures by others
SCJ	Vent tube isolation bladder, Tubular type in polycarbonate housing
DDI	Conventional refillable desiccant dryer for vent tube, For mounting in enclosure by others

Notes:

² A hyphen will separate multiple options selected

- Only one option can be selected of SCI, SCT, SCJ, DDI
- Only one option can be selected of VBKTP, HBKTP, VBKT, HBKT

REQUIRED ORDERING INFORMATION:

- Detailed model number
- Tag or nameplate detail (if required)
- Factory calibration: custom range or full-scale
- Documentation & testing packages (if required, refer to Additional Resources)

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