

SANITARY PRESSURE/LEVEL TRANSMITTER MODEL 572 WITH MODULAR ELECTRONICS

FEATURES

- Two Wire Loop Powered 4-20 mADC Signal
- Fits Ladish, APC, And Other Sanitary Flanges
- Great For Ultraclean Water Service
- Suitable For CIP/SIP Service
- Removable Electronic Module
- Polished Body Is Basic, Polished Housing Optional
- Zero & Span Pots For Field Recalibration
- Spark & Power Surge Protection
- Optional Dampening
- Optional LCD Display
- Maintenance Free Operation

TYPICAL APPLICATIONS

Ultraclean Water
Fermentation Tanks
Milk Processing
Candy Making

Fruit Juice
Vegetable Oil
Beer, Wine, Spirits
Pharmaceutical Reactors

DESCRIPTION

The Model 572 Level and Pressure Transmitter was designed specifically for food, pharmaceutical and ultraclean applications.

The 572 consists of a potted electronic module in a housing which is mounted with a modular pressure sensor as a packaged assembly. The wetted sensor is constructed of 316 S.S. The body is polished and free from crevices, cracks, and voids that can harbor contaminants. The back of the sensor is usually vented to atmosphere to compensate for barometric pressure changes.

Cleaning of the Model 572 can easily be accomplished by disassembly and manual washing, or it can be cleaned and sterilized in place.

The Model 572 can also be used as a liquid level transmitter in vented tanks. The pressure at the bottom of a vented tank containing liquid is linearly proportional to the height and density of the liquid. Use the TPC Pressure Corrector when the tank is pressurized.



SPECIFICATIONS

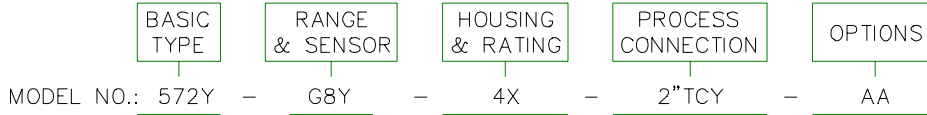
Technology: Silicon strain gage
Supply Power: 13 to 35 VDC 2 wire loop powered
Output Signal: 4-20 mADC, isolated, Intrinsically Safe
Loop Impedance: 550Ω at 24 VDC, 1100Ω at 35 VDC
Adjustments: Span from 30% to 100% of range.
 Zero to 30% is basic, non-interactive.
Over Pressure: 2X Range (35 PSI) w/o damage
 3X Range (1000 PSI) w/o rupture
Temperature Range: -20 to +220°F (Operating)
 -40 to +275°F (Intermittent)
 30 to +130°F (Compensated)
Accuracy: ±0.25% F.S. or better
Thermal Error: ±0.02% F.S./°F maximum
Barometric Effect: None

OPTIONAL FEATURES

Dampening: Selectable 0.1 to 22 seconds
Indicator: Large direct reading LCD
Alarm Points*: 1 or 2, 5 Amp SPDT Contacts
Power Supply*: Integral VAC to 24 VDC
TPC Corrector: Level measurement in unvented
 and pressurized tanks

* Not third party listed

MODEL NUMBERING SYSTEM



M/N	DESCRIPTION
572Y	TRANSMITTER

M/N	Δ FULL SCALE RANGES	
	U.S.A.	METRIC
G1 Y	40" H ₂ O G	0.1 BAR-G
G2 Y	80" H ₂ O G	0.2 BAR-G
G3 Y	200" H ₂ O G	0.5 BAR-G
G4 Y	15.0 PSIG	1.0 BAR-G
G5 Y	30.0 PSIG	2.0 BAR-G
G6 Y	60.0 PSIG	4.0 BAR-G
G7 Y	120.0 PSIG	8.0 BAR-G
G8 Y	250.0 PSIG	16.0 BAR-G
G9 Y	500.0 PSIG	40.0 BAR-G
A4 Y	15 PSIA	1.0 BAR-A
A5 Y	30 PSIA	2.0 BAR-A
A6 Y	60 PSIA	4.0 BAR-A
A7 Y	120 PSIA	8.0 BAR-A
V8 Y	0/-15 PSIV	0/-1 BAR-V
V9 Y	-15/+15 PSIV	-1/+1 BAR-V
V10 Y	-15/+30 PSIV	-1/+2 BAR-V
V11 Y	-15/+60 PSIV	-1/+4 BAR-V
V12 Y	-15/+120 PSIV	-1/+8 BAR-V

RANGES REFERENCED TO:
 "G" = ATMOSPHERIC PRESSURE
 "A" = HARD VACUUM
 "V" = BELOW ATMOSPHERIC
 Δ HIGHER RANGES AVAILABLE

M/N *	LIMITED TO
1" TCY	G4 AND HIGHER
1-1/2" TCY	PSIG RANGES
2" TCY	ALL RANGES

* TUBING SIZE FLANGES; OTHER SIZES AVAILABLE, C/F
 PROCESS CONNECTION MATERIAL: 316-L S.S.
 LADISH "TRI-CLAMP" ("TC") SANITARY FLANGE IS BASIC; ACME NUT, APC, CHERRY-BURREL, AND OTHERS ARE AVAILABLE; C/F.

M/N	DESCRIPTION
AA	NONE
328	DIRECT READING LCD DISPLAY
PSM	HOUSING BRACKET FOR 2" PIPE STAND OR VERTICAL SURFACE MOUNTING, COATED WITH WHITE EPOXY PAINT
TC	4-20 mADC DAMPENING; SELECT 0.1 TO 22 SECONDS
TPC	PRESSURE CORRECTOR FOR USE IN PRESSURIZED TANKS
RC	20-4 mADC OUTPUT SIGNAL
SU	SUPPRESS ZERO TO 80%

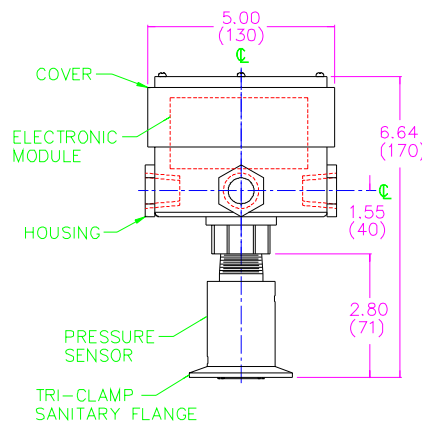
M/N	DESCRIPTION
4X	ENVIRONMENT PROOF, 4X; PVC CONSTRUCTION, WHITE EPOXY OVERLAY, S.S. TRIM; INTRINSICALLY SAFE, CLASSES 1 & 2, DIVISIONS 1 & 2, GROUPS ABCD,EFG;
7W	EXPLOSION PROOF, CLASSES 1 & 2, DIVISIONS 1 & 2, GROUPS BCD, EFG; 4X; ALUMINUM CONSTRUCTION; WHITE EPOXY OVERLAY
7T	EXPROOF SAME AS ABOVE, EXCEPT ALL 300 STAINLESS STEEL CONSTRUCTION

Made in USA by
Delta Controls Corp

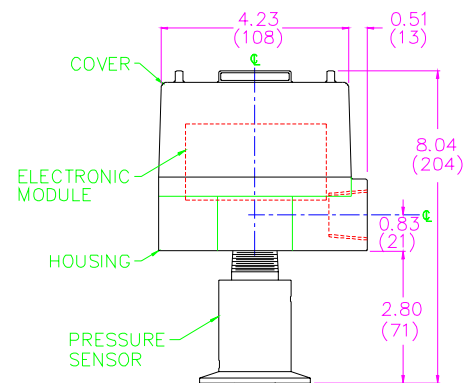
THIRD PARTY APPROVALS

CSA (Canada)
NRTL/C (USA)
 Intrinsically Safe
 Explosion Proof
 Environment Proof

 **Sanitary (Worldwide)**



Model 572 With 4X PVC Housing



Model 572 With Exproof Housing

DELTA CONTROLS CORP
 Engineered Sensors - For Difficult Services

585 Fortson Street
 Shreveport, La. 71107 - USA



Voice: 318-424-8471
 Fax: 318-425-2421
 E-mail: delta@deltacnt.com
 Web Site: <http://www.deltalevel.com>