

Sanitary Level Transmitter

MODEL 363



A MEMBER OF THE VIATRAN CLEAN FREAKS

The Model 363 has features unmatched in the marketplace. Standard Hastelloy wetted parts allows for use in acidic and caustic media found in the Sanitary market. The unique vortex filter system eliminates condensation, thus reducing contamination to the electronics.

ACCESSIBLE ZERO AND SPAN

The Model 363 has an easily accessible sealed zero and span adjustment. There is no need to take off the connector to make an adjustment.

THERMAL RECOVERY

All-welded and stainless steel, the Model 363 fully stabilizes to temperature changes in less than a minute.

CLEAN IN PLACE TECHNOLOGY

Quick-disconnect Tri-clamp connections make the Model 363 ideal for dairy, food and pharmaceutical processing applications where frequent cleaning is required.

ACCURATE AND RELIABLE

Our piezoresistive sensor technology and precision welded diaphragm provide an extremely accurate pressure measurement up to 500 PSI. Standard accuracy is 0.25% BFS_L.

Visit www.viatran.com/cleanfreaks.htm for details on the Model 363 and other member of the Viatran Clean Freaks family of Sanitary solutions.

In food and dairy pressure and level measurement applications, it's critical that the device adhere to the latest 3A standards for sanitary instrumentation. With any member of the Viatran Clean Freaks from Viatran you can be assured that sanitary standards are met or exceeded.

FEATURES

- Flush Hastelloy diaphragm
- Unique Gortex breathing system
- All welded SS construction
- Ranges down to 30" WC full scale
- Top mounted zero & span adjust
- 1½- 2" Tri-clamp
- Optional Field Calibration

TYPICAL APPLICATIONS

- Sanitary tank level
- Beverage Processing
- Food Processing
- Dairy Processing
- Pharmaceutical Processing

Approval Options Available
Contact Viatran for details



For product availability, or to order please call 1-800-688-0030, ext 506.

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An ISO 9001:2000 Certified Company

SPECIFICATIONS

PERFORMANCE

Full Scale Pressure Range (FSPR)	0-3 thru 0-500 PSIG, 0-15 PSIV 0-15 thru 0-500 PSIA
Non-linearity (Best Fit Straight Line)	≤0.25% BSFL, depending on range
Hysteresis	≤0.05%
Repeatability	≤±0.01%
Full Scale Output (FSO)	16 mA at 70°F
Long Term Stability	≤±0.25% FSO per 6 months
Pressure Connection Effect on Zero Balance	≤±0.1% FSO (no effect with zero adjust)
Span	≤±0.1% FSO (no effect with zero adjust)
Response Time	≤3 mSec
Temperature Effect on Zero	≤±1.5% FSO per 100°F
Temperature Effect on Span	≤±1.5% FSO per 100°F
Operating Temperature Range	0°F to +180°F
Process Temperature Range	0°F to +200°F
Non-Operating Temperature Range	-65°F to +200°F
Orientation effect	<1.5% FSO per 180°F change (no effect with zero adjust)

ELECTRICAL

Supply/Voltage	12 to 30 VDC
Power Supply Regulation Effect	≤±0.04% FSO per Volt
Output Signal	4 to 20 mA
Load Impedance	200 Ohms at 12 VDC
Ripple	≤±0.08% FSO
Zero Balance	4 mA ±0.5 FSO at 70°F
Span Balance	20 mA ±0.5 FSO
Calibration Signal (Optional)	80% ±1.0% of FSPR
Circuit Protection	Varistor protected across the input leads for surges above 38V and currents to 250 Amps peak with a pulse width of 8-20 μsec. Reverse polarity protected.
Bridge Resistance	5000 Ohms nominal
Insulation Resistance	≥ 1000 MegOhms at 50 VDC
RFI/EMI Suppression	≥1.0% FSO Output change at 10V/meter. 80MHz-1GHz
Electrical Connection	4 pin microchange
Pin 1	+Power/Signal
Pin 2	-Power/Signal

MECHANICAL

Pressure Connections	1½", 2"
Proof Pressure	3X rated range or maximum range of clamp and tubing, whichever is less.
Weight	16 oz.

CONSTRUCTION MATERIALS

Enclosure Housing	304, & 316 Stainless Steel
Pressure Connection	Standard Hastelloy-C wetted parts
Mounting	May be supported by pressure connection
Identification	Laser etched onto body type

OPTIONS

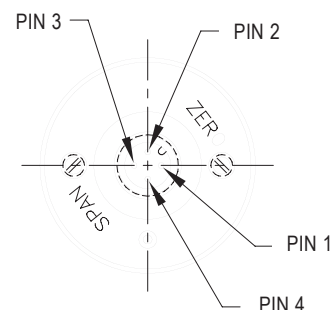
Codes	Descriptions
BH	6 pin Bendix
DH	Special Range
EA	Special Calibration Run
HA	1½" Tri-Clamp
HB	2" Tri-Clamp
NH	Customer specified identification
NJ	CE design and label (consult factory)
PW	1/8 DIN digital indicator (consult factory)
TL	Polyurethane cable with Breather Tube
ZU	Direct coupled cable
ZY	½"NPT (M) with Conduit Connection

Consult factory for other tri-clamp sizes and delivery

ACCESSORIES

Mounting Bracket
ViBox (Tank profiling)
Loop Powered Digital Indicator

TRI-CLAMP FITTING SIZE	'A'	VIATRAN SIZE CODE
1 1/2"	1/2"	HA
2"	1/2 5/8"	HB



THE VIATRAN SANITARY FAMILY.

