

Models 350 / 351



FEATURES

- Flush Diaphragm
- 316 Stainless Steel wetted parts
- Three Tri-clamp sizes 1.5", 2" 2.5"
- Clean in Place (CIP)
- No oil fill
- Bonded foil strain gage

TYPICAL APPLICATIONS

- Pharmaceutical
- Food Processing
- Beverage Processing
- Pasteurizers

CLEAN IN PLACE SYSTEMS

A flush diaphragm inhibits bacterial growth and facilitates Clean in Place (CIP) systems. The quick-disconnect Tri-clamp connections make these transmitters ideal for pharmaceutical, dairy and food processing applications where frequent cleaning is required.

ACCURATE PRESSURE MEASUREMENT

Viatran technology allows for accurate pressure measurement up to 1000 PSI. The transmitters also have no moving parts, isolation diaphragm, or oil fill to contaminate your process fluid.

The Model 351 has magnetically coupled external controls for precise adjustments of zero and span, without exposing the electronics to the environment. The span control can adjusted for 5:1 ranging.

SHUNT CALIBRATION SYSTEM

The Model 351 is also equipped with a built-in shunt calibration signal for easy set up and flexibility (one transmitter can be used in numerous applications). The Model 350 provides the same degree of accuracy for reliability for less money.

3A STANDARDS AND FM APPROVED

Viatran's Models 350 and 351 have approval options available. Consult your Viatran Rep for details.

For more information, contact Viatran.





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PERFORMANCE	Full Scale Pressure Range		0-100, 150. 200, 250, 300, 400, 500, 750, 1K PSIS, PSIA
		351	0-100, 400, 1K PSIS, PSIA
		Non-linearity (Best Fit Straight Line)	≤0.4% FS0
		Hysteresis	
		Repeatability	
		Full Scale Output (FSO)	
		Resolution	
		Long Term Stability	
		Pressure Connection Effect Zero Balance	
Response Time (mechanical & electrical combined)		350	
Hesponse Time (Inc	echanical & electrical combined)	351	
		Temperature Effect on Zero	
T		Temperature Effect on Span	
Temperature Effect on Calibrated Signal		350	
		351	
		Operating Temperature Range	
		Process Temperature Range	
		Storage Temperature Limits	65°F to 250°F (-53°C to 121°C)
ELECTRICAL		Sensor Technology	Bonded foil strain gage
	Supply Voltage	350	10 to 36 Vdc
	11.3	351	9 to 40 Vdc
		Power Supply Regulation	
		Output Signal	
	Load Impedance	350	
	Loud Impodunos	351	
		Ripple	
		Zero Balance	
	Zara Adjustment		
	Zero Adjustment	350	
	Danasa Calibratian Ciaral		5:1 turndown, externally 30 PSI min range
	Range Calibration Signal	350	
			20% of ±1.0% of FSPR, externally switched. Exact signal to pressu
		Circuit Protection	Varistor protected across the input leads for surges above 38 V
			and currents to 250 Amps peak with a pulse width of 8-20 $\mu Secs.$
			Reverse polarity protected
		Bridge Resistance	
		Insulation Resistance	
		RFI/EMI Suppression	≤1% FSO output change at 30 V meter, 10-1000 mhz
		Electrical Connection	1/2" NPT male conduit, 3 wires, 18 AWG, 36"
		Red	+Power/Signal
		Black	
		Green	
MECHANICAL		Pressure Connection	1 1/2" 2" 2 1/2" Tri-clamp
MESTIMITORE		Proof Pressure	
			<3 times rated range≤3 times rated range or max orange of clamp and tubing, whicheve
		Duist riessuie	
	Weight	350	
	Weight	351	
	PTDUCTION	Engleaura Materiala	15 5 204 and 216 stainless steel
MATERIALS OF CONSTRUCTION		Enclosure Materials	
MATERIALS OF CONS		Mottad Matariala	
MATERIALS OF CONS		Wetted Materials	



CERTIFICATIONS (Consult Factory for Available Options)

Sanitary Authorized to display the 3A symbol for Conformity to Sanitary standards for pressure and level devices #74-02

Intrinsically Safe FM Approved Intrinsically Safe for use in Class I,II and III DIV 1, Groups A thru G indoor/outdoor Suitable for Use FM Approved, suitable for use in Class I,II, and III, DIV. 1, Groups A thru G Hazardous Locations

OPTIONS	BZ	Mini change connector	
	DG	Improved temperature compensation	
	D.I.	0 ' 1 (050 1)	

JJ.....Direct mount indicator with Explosion Proof housing attached to

.....transmitter

Note: Application of some available options may affect standard performance. Consult your Viatran Representative for details.

ACCESSORIES Tri-clamp clamp

Tri-clamp gasket

Conduit connector





