

Models 276 / 376



FEATURES

- Extremely small size
- High overpressure protection
- External adjustments
- 316 stainless steel wetted surfaces
- Internal calibration circuit
- Fast response

TYPICAL APPLICATIONS

- Automotive test stands
- Aerospace test stands
- Production test stands
- Leak testing
- Laboratory / Research
- Shipboard / Marine
- Energy management

DESIGNED FOR HARSH CONDITIONS

To accommodate vigorous test applications, the X76 has a static line pressure rating and standard overpressure of 500 PSI (34 bar). With a response time as low as 6 milliseconds (depending on range), the "76" Series is one of the fastest differential units on the market.

CAPACITANCE SENSING

Viatran's proprietary technology provides an accuracy of better than $\pm 0.15\%$ FSO. Wetted surfaces are manufactured from 316 stainless steel allowing for better corrosion resistance.

Viatran designed the "76" Series to be easily accessible in confined spaces. The X76 is supported by the process connection or by an adaptable L-shaped mounting bracket.

QUICK ELECTRICAL DISCONNECT

A quick disconnect electrical connection allows for easy setup and removal. Top-mounted zero and span adjustments and an internal calibration circuit simplify field setup and provide a quick two-point calibration check.

EXCEEDS MOST REQUIREMENTS

With over twenty different electrical connections and pressure ports, as well as optional improved temperature performance and modified outputs, the 276 / 376 exceeds the most demanding application requirements.

Viatran offers a full line of pressure transmitters for industrial test applications.





PERFORMANCE		Full Scale Pressure Range (FSPR)		
			0-15, 50, 100 PSID (0-1, 3.4, 6.8 bar)	
		Linearity, Best Fit	≤0.15% FS0	
		Hysteresis	≤0.10% FS0	
		Repeatability	≤0.10% FS0	
	Full Scale Output (FSO)	276	5 Vdc	
		376	16 mA	
		Resolution	Infinite	
		Drift	≤±0.2% FSO per 6 months	
		Pressure Connection Effect Zero Balance.		
	Response time	Thermal Shift		
		Thermal Sensitivity Shift		
		Compensated Temperature Range		
		Operating Temperature Range		
ELECTRICAL		Supply Voltage	10 to 45 Vdc	
			≤±0.10% FSO change over supply voltage range	
	Output Signal	276	0 113 0 0	
	2 - 4	376		
		Zero and Span Adjustment		
		Calibration Signal		
		Calibration Signal Accuracy		
		Circuit Protection		
		Insulation Resistance		
		Standard Electric Connection		
		276	376	
	Pin A	+Power	+Power/Signal	
	Pin B	-Power	-Power/Signal	
	Pin C	+Signal	Calibrate	
	Pin D	-Signal	Calibrate	
	Pin E	Calibrate		
	Pin F	Calibrate	Open Open	
MECHANICAL		Pressure Connection	1/4" NDT famala	
MECHANICAL				
		Line Pressure		
		Proof Pressure	,	
		Burst Pressure		
		Pressure Cavity Volume		
		Volume Displacement at FSPR	• • •	
		Fill Fluid		
		Mounting Position Effect		
		iviouriting	May be supported by process or optional mounting bracket	
		Weight	2 lbs	
MATERIALS OF CONSTRUC	TION			
MATERIALS OF CONSTRUC	TION	Weight	316 SS	





OPTIONS	Codes	B()	Alternate connectors
		Y()	Alternate ports
	Performance Options	DG	Improved temperature performance
		DH	Special range
		DK	Special calibration shunt setting
		DM	Modified output
		EA	Special calibration run
		NH	
			1/8 DIN digital indicator

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

ACCESSORIES

Digital indicator
Mating electrical assembly
Mating electrical connector
Protective cover







