Model 385 FLUSH TIP PRESSURE TRANSMITTER



Viatran 385 flush tip sensor for hydraulic fracturing applications including manifold charge and pump suction pressure measurements.

- Special design minimizes torque effect on the diaphragm, which eliminates the need to make adjustments to the instrument after installation.
- Able to withstand pressure spikes up to 5x pressure range, extends life of the unit when cavitation is a risk in the system.
- Designed with rugged stainless steel diaphragm, minimizes wear on sensor which affects quality of data being collected.
- Fully sealed housing prevents fluid ingress which damages electronics and shortens life of unit.
- Flush sensor prevents clogging, less down time for cleaning.



CE

PERFORMANCE	Standard Pressure Ranges0-100,150,160, 200, 250, 300, 400, 500, 1,000 PSI Sealed						
	Static Error Band≤ ±0.5% FSO (Includes BFSL, Hysteresis and Repeatability by RSS)						
	Compensated Temperature Range70°F to 170°F (21°C to 77°C)						
	Operating Temperature Range40°F to 185°F (-40°C to 85°C)						
	Storage Temperature Range40°F to 250°F (-40°C to 120°C)						
	Long Term Stability (%FS0)≤±0.5% FS0 per 6 months						
	Thermal Effect on Zero≤±2% FSO per 100°F Typical						
	Thermal Effect on Span≤±2% FS0 per 100°F Typical						
ELECTRICAL	Output Signal4-20 mA						
	Supply Voltage8-28 Vdc						
	Power Supply Regulation<±.05% FSO per volt						
	Load Impedance926 Ohms maximum at 28 volts DC						
	Circuit ProtectionReverse polarity protected, CE marked						
	RFI/EMICE EMC compliant as per IEC EN 61326-1 and EN 61326-2-3 Annex BB						
	Voltage Spike ProtectionWithstand 1,000 volt spike per EN 61000-4-5						
	Insulation Resistance<5 nS						
	Response Time<2 mSec for 10-90% of final value						
MECHANICAL	Standard Pressure Port1/2" NPT (M)						
	Zero Effect from Installation< ±0.10% at 25 to 50 ft lbs						
	Proof Pressure5x						
	Burst Pressure20x						
MATERIALS OF CONSTRUCTION	Wetted Materials						
	Weight8 oz. nominal						

Viatran

199 Fire Tower Drive Tonawanda, New York 14150 USA Hotline: 1-800-688-0030

Phone: 1-716-629-3800 Fax: 1-716-693-9162 Email: solutions@viatran.com Web: www.viatran.com



Model 385 FLUSH TIP PRESSURE TRANSMITTER

how to	order	MODEL 385	PRESSURE RANGE A R	FORMAT S	ELECTRICAL CONNECTION BH	PRESSURE CONNECTION *	OPTIONS
Press	sure Range						
AM AN CA AP AQ AR AT AU AY	0-100 psi 0-150 psi 0-160 psi 0-200 psi 0-250 psi 0-300 psi 0-400 psi 0-500 psi 0-1,000 psi	RapidShip ₽¥ RapidShip ₽¥					
Form	at						
S G	Sealed Contact facto	ory for gage unit					

Electrical Connection

ВН Welded - 6 Pin bayonet shell size 10

ZΕ Welded - 4 Pin Hermetic, shell size 14S, (MIL-DTL-5015H)

ZU Welded - Direct Coupled Cable

Pressure Connection

Standard 1/2" NPT (M)

VQ 3/4"-16 UNF (M) (Includes Std Nitrile / NBR "O" ring)

VR G 1/2" (M) (Includes Std Nitrile / NBR ED Seal according to DIN 3869)

Options

GA "O" Ring or ED Seal- VITON® / FKM material

GD "O" Ring - EPDM material (not available with "VR" option)

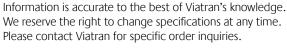
NH**Customer Specified Identification**

1/8 DIN Digital Indicator PW

Inconel 718 - for all wetted parts (minimum range is 0-150 PSI) QK











Connection Diagrams & Wiring

The standard wiring of your Viatran pressure transmitter is outlined below. If your unit was ordered with an alternate connector or special wiring refer to the wiring information permanently marked on your unit.

The 385 transmitter can be powered by a DC power supply ranging from 8 to 28 volts. With a 4-20 mA device please refer to the load/voltage chart (right) to identify the required input voltage for your specific system load

CONNECTION DIAGRAMS & WIRING

