VIATRAN

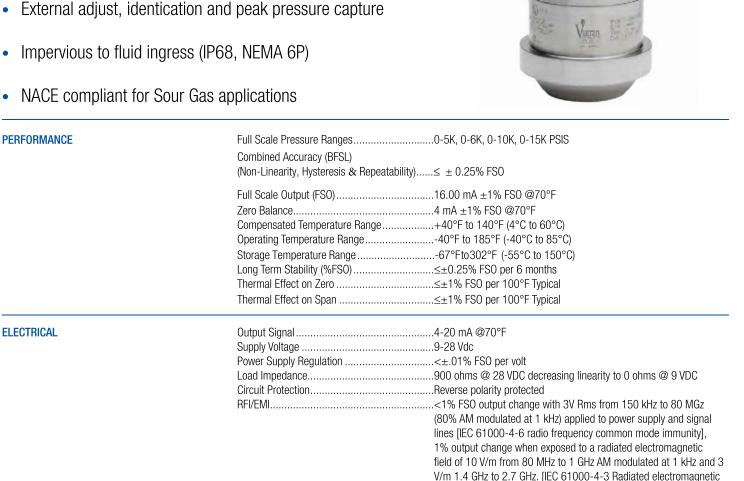
Expanded compensated temperature range

Improved sealing method for connector pins

HAMMER UNION PRESSURE TRANSMITTER

Model 522

(FOR USE WITH 2202 WING UNION FITTINGS)



Viatran Model 522 Hammer Union Pressure Transmitter measuring pump discharge

pressure for drilling, fracturing, acidizing, cementing and nitrogen injection.



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Viatran

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38 Forge Parkway Franklin, MA 02038 USA

98DS522 REV. E

Hotline: 1-800-688-0030 Phone: 1-716-629-3800 Fax: 1-716-693-9162 Email: solutions@viatran.com Web: www.viatran.com



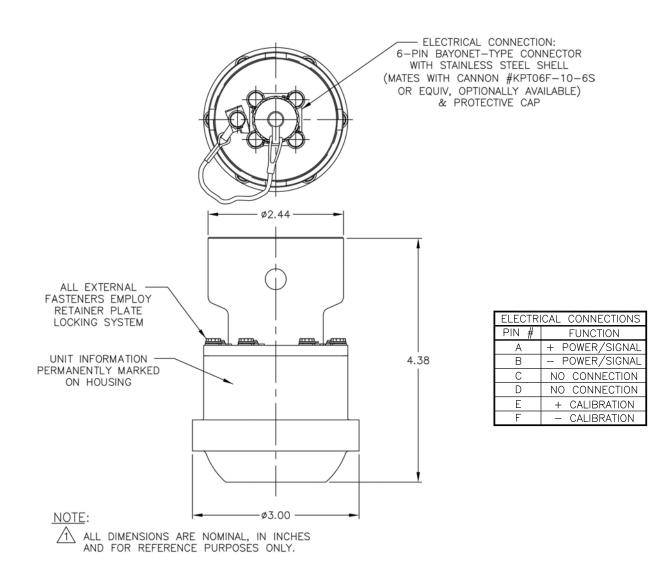
	Voltage Spike Protection	Withstand 1000 volt spike per EN 61000-4-5
	Insulation Resistance	
	Response Time	<1 millisecond to reach 90% of FSO
	Range Calibration Signal	100±10% FSO by exciting pins E&F
	Calibration Power Supply Voltage	
		Readings on calibration certificate are within $\pm 0.2\%$ FSO of actual Cal
		signal output
	Bridge Resistance	
		type connector
MECHANICAL		Male hammer union 2 inch #2202
	Pressure Cavity Volume	Standard: 0.45 cubic inches
	Zero Effect from Installation	<<±0.3% FSO w/200 ft-lbs torque on union #2202
	Proof Pressure	
MATERIALS OF CONSTRUCTION	Wetted Materials	NACE compliant Inconel 718 wetted material as standard (MR0175/ISO 15156-3:2009(E))
	Enclosure Material	
	Identification	
	Enclosure Rating	
	Weight	
OPTIONS		Compensated temperature -40°F to 140°F
	DC	Improved temperature compensation
	DG DH	
	DN	
	EA	
		Compensated temperature range 40°F to 180°F
	LW	
	NA	
	NH	
	NP	
	NQ	Protective criss-cross cage
	7.0	
	Z()	Special connectors
APPROVALS		
APPROVALS	FA	Russian Metrology Certificate
APPROVALS	FA NX	Russian Metrology Certificate Canada Intrinsic Safety Label
APPROVALS	FA NX TJ	Russian Metrology Certificate Canada Intrinsic Safety Label Canada Non-Incendive Label
APPROVALS	FA NX TJ NK	Russian Metrology Certificate Canada Intrinsic Safety Label Canada Non-Incendive Label Europe Intrinsic Safety Label
APPROVALS	FA NX TJ NK TK	Russian Metrology Certificate Canada Intrinsic Safety Label Canada Non-Incendive Label Europe Intrinsic Safety Label Europe Non-Incendive
APPROVALS	FA NX TJ NK TK KH	Russian Metrology Certificate Canada Intrinsic Safety Label Canada Non-Incendive Label Europe Intrinsic Safety Label Europe Non-Incendive IECEX International Intrinsic Safety Label
APPROVALS	FA NX TJ NK TK KH KJ	Russian Metrology Certificate Canada Intrinsic Safety Label Canada Non-Incendive Label Europe Intrinsic Safety Label Europe Non-Incendive IECEX International Intrinsic Safety Label IECEX International Non-Incendive
APPROVALS	FA NX TJ NK TK KH KJ TW	Russian Metrology Certificate Canada Intrinsic Safety Label Canada Non-Incendive Label Europe Intrinsic Safety Label Europe Non-Incendive IECEX International Intrinsic Safety Label IECEX International Non-Incendive IECEX International Non-Incendive IECEX Certification Label
APPROVALS	FA NX TJ NK TK KH KJ TW TF	Russian Metrology Certificate Canada Intrinsic Safety Label Canada Non-Incendive Label Europe Intrinsic Safety Label Europe Non-Incendive IECEX International Intrinsic Safety Label IECEX International Non-Incendive IECEX International Non-Incendive IECEX Certification Label



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CERTIFICATIONS (CONSULT FACTORY FOR AVAILABLE OPTIONS)

USA	Intrinsic Safety: Class I, Division 1, Groups A-D, Zone 0, AEx ia IIC, T4: Ta -40° to 85°C, T5: -40° to 40°C, NEMA Type 6P, IP68
CANADA	Intrinsic Safety: Class I, Division 1, Groups A-D, Class 1 Zone 0 Ex ia IIC, T4: -40° to 85°C, T5: -40° to 40°C, NEMA Type 6P, IP68
EUROPE	Intrinsic Safety: II 1G, Ex ia IIC,T4 Ga, Ta: -40° to 85°C, T5: -40° to 40°C, IP68 Non-Incendive: I1 3 G, Ex nA IIC T4 Gc,Ta -40° to 85°C T5: -40° to 40°C, IP68 EMC Directive 2004/108/EC EN 61326-1:2006
RUSSIA	Intrinsic Safety: 0Ex ia IIC Ga, T4: -20°C \leq Ta \leq +80°C, T5: -20°C \leq Ta \leq +40°C Russian Metrology Certificate



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Information is accurate to the best of Viatran's knowledge. We reserve the right to change specifications at any time. Please contact Viatran for specific order inquiries. 98DS522 REV. E



EXTERNAL CALIBRATION

- Trim zero and full scale with pressure source using DevCom 2000-LT desktop software
- Record 4 pressure spikes up to 140% of rated pressure and cumulative time on
- Digital output resolution +/- 0.06%
- Factory reset option
- Non interactive zero and span adjustment

EXTERNAL CALIBRATION ACCESSORIES:

DevCom 2000-LT Desktop software

System Requirements (minimum)

Operating System Windows NT, 2000, XP, Vista (32/64), 7 (32/64), 8 (32/64) Processor Speed Pentium, 600 Mhz Memory 256 MB Hard Disk Space 500 MB Monitor 256-color VGA Communication Port USB, RS232, or Bluetooth

HART [®] Modem (Various PC connections and cable lengths/connections available) 24VDC power source Power Xpress kit 250 ohm resistor

*HART ® is a registered trademark of the HART ® Communications Foundation

Viatran

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98DS522 REV. E

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