

Instrument Repair & Calibration, Inc. now offers an alternative to hammer union pressure transmitter manufacturers' service. We have a guaranteed 2 week or less turnaround time on all calibration only service and a guaranteed 4 week or less turnaround time on all in-house repair service. If the guaranteed turnaround time is not met you will receive a 10% discount.

OUR SERVICES INCLUDE

- ◆ Repair (In-house and Factory)
- ◆ Calibration
- ◆ N.I.S.T. Traceable Certification
- ◆ Limited Free Pick-up & Delivery (Call for details)
- ◆ Non-repairable & Surplus Purchasing Program



We have the latest automated calibration standards and software with an accuracy of 0.008% of reading.

INSTRUMENT REPAIR & CALIBRATION, INC.



InstrumentServices.com

CONTACT INFORMATION

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INSTRUMENT REPAIR & CALIBRATION, INC.

Test, Measurement & Control
Instrumentation Service



2014 PRICE LIST

Your Calibration Report will include

BEFORE



DURING



AFTER



Viatran Model 509 Hammer Union Pressure Transmitter

Model 509 Calibration without Adjustments	\$165.00
Model 509 Calibration with Adjustments	\$365.00
Model 509 Repair includes Calibration	\$580.00
Model 509 Connector Replacement (Plus the connector cost)	\$62.50
Model 509 Failure Analysis Report	\$62.50

Model 510 Hammer Union Pressure Transmitter

Model 510 Calibration without Adjustments	\$165.00
Model 510 Calibration with Adjustments	\$215.00
Model 510 Repair includes Calibration	\$580.00
Model 510 Connector Replacement (Plus the connector cost)	\$62.50
Model 510 Failure Analysis Report	\$62.50

GP:50 Hammer Union Pressure Transmitter

Calibration without Adjustments	\$165.00
Calibration with Adjustments	\$365.00
Repair includes Calibration	\$580.00
Connector Replacement (Plus the connector cost)	\$62.50
Failure Analysis Report	\$62.50

Note: If the transmitter diaphragm is damaged or deformed the transmitter is uneconomical to repair and must be replaced. A Failure Analysis Report will be issued and a \$62.50 service fee will be charged.

Calibration Report

Jun 19 2014

Model: 509
Serial Number: 371061

Report Information

Report Compiled: Jun 19 2014
Date of test: 20140619
Time of test: 5:51:17 PM
Data file: C:\DH\COMPASS for Pressure\Data\Viatran\371061\20140619_000.dat
Test file: Viatran 20k
User: Admin

DUT Information

Manufacturer: Viatran
Model: 509
Serial Number: 371061
Identification: Pressure Range

Reference Information

Manufacturer: DH Instruments
Model: RPM4-E-DWT
Serial Number: 2036
Identification: Pressure Range

Pressure Range: 0.000 to 20000.000 psi
Data Acquisition Method: IEEE-488
Nominal Uncertainty: 0.01 %Span

Test Information

Pressure Units: psi
Dwell Time: Manual
Leak Rate:
Pressure Stability setting: 1 %DUTSpan

Test Data	Set Pt	Reference Pressure	DUT Pressure	DUT Output	Abs. Error	% Span*	DUT Tolerance	Status
	psi	psi	psi	mA	psi	%	psi	
	0.0000	1	-81.946	3.934443E-3	-82.946	-0.4147	2.000	T
	4000.0000	3997	3927.845	7.142116E-3	-88.855	-0.3443	2.000	T
	8000.0000	7996	7940.057	1.035205E-2	-55.943	-0.2797	2.000	T
	12000.0000	11997	11945.204	1.355616E-2	-51.296	-0.2585	2.000	T
	16000.0000	15992	15944.756	1.675581E-2	-47.242	-0.2362	2.000	T
	20000.0000	19999	19942.464	1.995399E-2	-56.516	-0.2826	2.000	T
	16000.0000	15998	15936.662	1.674933E-2	-61.338	-0.3067	2.000	T

12000.0000	12002	11947.025	1.355782E-2	-54.975	-0.2749	2.000	T
8000.0000	8001	7938.469	1.035078E-2	-62.531	-0.3127	2.000	T
4000.0000	4002	3932.434	7.145947E-3	-69.566	-0.3478	2.000	T
0.0000	-4	-82.950	3.933640E-3	-78.950	-0.3947	2.000	T

Calculations
First Order Fit Equation: $y = 9.986043E-01x + 7.534002E01$
Linearity: 0.0821 %DUTSpan
Hysteresis: 0.0705 %DUTSpan
Repeatability: %DUTSpan

