14 BM

Viatran CORPORATION FM3/PS2-F

Performance Certificate

DATE	11-30-1994
MODEL	374
SERIAL NO.	219978
REFERENCE	3745CK5AX990
INPUT	24 VDC
OUTPUT	4 TO 20 mA
FSPR	0 TO 50 "WCD
FULL SCALE PRESSURE RANGE	

WIRING CONNECTIONS

	+ INPUT
	- INPUT
	+ OUTPUT
	- OUTPUT
PIN A	+ PWR./SIG.
PIN B	- PWR./SIG.
PIN C	CALIBRATE
PIN D	CALIBRATE
PINS E+F	NO CONN.

	STANDARD CALIBRATION			SPECIAL CALIBRATION	
% FSPR	RUN 1	RUN 2		RUN 1	RUN 2
0	3.99				
20					
40					
60					
80					
100	20.02				
80					
60					
40					
20					
0	4.00				

INCREASING

DECREASING

REMARKS:

CALIBRATION PRESSURE= 39.894"WCD

CALIBRATION CIRCUIT

An advantage of Viatran strain gage pressure sensors is that the gain or span of the readout system can be set without applying a known pressure input. The system setup can be accomplished by using a calibrate circuit as explained below.

INTERNAL CIRCUIT

Most sensor models are supplied with an internal shunt calibrate circuit either as a standard or by special order. If this sensor has the circuit included, it will be noted below. Simply shorting the proper pins will produce the calibration output signal listed.

EXTERNAL CIRCUIT

If the sensor does not include the calibration circuit, the same type calibration can be accomplished by connecting a resistor of the value indicated across the proper pins. This technique is accurate for cable lengths of up to 200 ft.

☒ Transducer - Internal Calibration

Shorting pins C & D will produce a 16.78 mA calibration output signal.

☐ Transducer - External Calibration

Connecting ohms across pins & will produce a calibration output signal.

☐ Transmitter* - Internal Calibration Circuit and Switch

Cal 1 represents with a reading of

Cal 2 represents with a reading of

NOTE: All calibrations should be performed only after the transducer has been adjusted for zero at zero pressure.

WARRANTY

Viatran Corporation warrants that its products shall be free from defective parts and workmanship for a period of twelve (12) months from date of original shipment, provided that Viatran's obligation hereunder shall be limited to correcting any defective workmanship and/or replacing any defective material F.O.B. destination.

A repair is warranted ninety (90) days from repair date under conditions of original warranty period unless superseded by original warranty period. If inspection by the Company of such product does not disclose any defect of workmanship or material, the Company's regular charges will apply. This warranty carries no liability, either expressed or implied, beyond our obligation to replace the unit which carries the warranty. This warranty is in lieu of all other warranties of merchantability or fitness. No allowance will be made for any expense incurred for correcting any defective workmanship and/or material without written consent by Viatran. Unit must be shipped to the Company, transportation prepaid, and return authorization number must be referenced on the package to assure acceptance at our shipping dock. Prices, specifications and decisions subject to change without notice.

The Company shall not be liable for and the Purchaser assumes and agrees to indemnify and save harmless the Company in respect to any loss or damage that may arise through the use by the Purchaser, or others, of any of the Company's products.

This warranty is void if the product is subjected to misuse, accident, neglect or improper application, installation or operation. This warranty is void if prior defects in materials or workmanship repairs are made by anyone except Viatran or its authorized service agency.

REPAIR

Most Viatran sensors have been designed to be easily repaired and recalibrated if necessary. If a failure occurs, the sensor should be returned to the factory for inspection and testing. If the sensor failure is covered by our one year warranty policy, the unit will be repaired as necessary and reshipped without delay. Sensors usually not covered by warranty can be repaired within four to six weeks for approximately thirty to sixty per cent of the purchase price. Simple repairs can often be made for minimum charge. Units should be returned to the attention of the Repair Department, after obtaining a return authorization number from the customer service desk at (716) 773-1700.

QUALITY ASSURANCE

SCOTT BRINSER

QAA 11/30/94

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