CALIBRATION CERTIFICATE NUMBER 6104326

MODEL PURCHASING DATA

Customer Name: ABC XYZ CORPORATION
Model: 39002X(25-1)-N-F-Z
Serial: 39002X35090010
Factory Ref#: 09938-X
P.O.#: Credit Card
Assessed Condition: New

CALIBRATION ELECTRONICS DATA

Model Number: 768 (In-House)
Serial Number: 533

Amp Model: DCIA (In-House)
Cable: 224-6977 20 ft. (In-House)

Cal Resistor: N/A Kohm

CLOCKWISE DATA

Applied lbf-in	Output mA Incr.	decr.
0.00	4.0000	3.9984
24.99	5.5992	5.6024
49.97	7.2016	7.2078
74.96	8.8018	8.8088
99.94	10.4009	10.4080
124.93	11.9992	12.0072
149.91	13.5973	13.6048
174.90	15.1946	15.2018
199.88	16.7920	16.7984
224.87	18.3896	18.3944
249.85	19.9904	

COUNTERCLOCKWISE DATA

Applied lbf-in	Output mA Incr.	decr.
0.00	4.0000	4.0016
24.99	5.6024	5.6072
49.97	7.2048	7.2116
74.96	8.8072	8.8136
99.94	10.4065	10.4135
124.93	12.0056	12.0106
149.91	13.6032	13.6090
174.90	15.1999	15.2042
199.88	16.7968	16.8007
224.87	18.3932	18.3958
249.85	19.9904	

This calibration was done in accordance to S. Himmelstein procedure 223-1059 rev. F.

Equivalent Shunt Calibration

CLOCKWISE DATA 216.32 lbf-in
COUNTERCLOCKWISE DATA 216.40 lbf-in

This transducer meets specification A5 as defined in 223-1208 rev. D.

The expanded uncertainty for the calibration data in this report is +/-0.030% of full scale.

Expanded uncertainty calculated by multiplying the combined standard uncertainty by a coverage factor, k, of 2. Thus the confidence level for th uncertainty is 95%. The combined stanard uncertainty was determined, per NIST Technincal Note 1297, as described in document 223-1207 rev D If system uses equipment other than that shown on this report, said equipment must be considered in computing uncertainty.

NIST TRACEABLE STANDARDS

Arm: M04 **mA std:** E108 **Wts.:** W12 *Calibration reports on file.*

NVLAP LAB CODE 200487-0
Complies with IS0-17025

Calibrated at S. Himmelstein and Co. metrology lab.
2490 Pembroke Ave. Hoffman Estates, IL
This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. federal government.

OTHER DATA

Temp °F: 72.2 **DAQ:** DQ2
Fixture: F01
Cal Date: 8/25/2009
Calibration Technician

NM

Report V3.1 rev NC

Approved by : Tom Marek/ Cal Lab Supervisor

08/ 25/ 09
month / day / year