

"As Found / As Left"

# Certificate of Calibration

and Traceability to the

United States National Institute of Standards & Technology

MODEL: 42U-D3-200K-10P5  
REVERE TRANSDUCERS LOAD CELL, SERIAL NO. 31163  
200,000 LBF CAPACITY, TENSION  
(CALIBRATED TO 150,000 LBF)  
WEIGHTRONIX WI-125 READOUT, SERIAL NO. 028533

Calibration forces were applied to the above identified instrument "As Found". No repairs or adjustments were made. This calibration is in conformance with the requirements of Morehouse QAM Rev. 8, dated 03/27/06, ISO/IEC 17025, and ANSI/NCSL Z540.1.

Following are calibration forces applied during three separate calibration runs, the deflection in Lbf as read on the indicator for each applied force and the average deflection in Lbf for each applied force.

FORCE APPLIED	INDICATOR READINGS			AVERAGE
	RUN 1	RUN 2	RUN 3	
<u>LBF</u>	<u>LBF</u>	<u>LBF</u>	<u>LBF</u>	<u>LBF</u>
15000	15020	15010	15020	15017
30000	30010	30010	30010	30010
45000	45020	45020	45020	45020
60000	60010	60010	60000	60007
75000	75010	75010	75010	75010
90000	90020	90010	90000	90010
105000	105010	105010	104990	105003
120000	120020	120020	120000	120013
135000	135020	135000	135000	135007
150000	150010	149990	149990	149997

RESOLUTION = 10 LBF

Suggested Calibration Due Date: December 10, 2010

Calibration was performed for a temperature of 23 degrees C.

This calibration is certified traceable to the United States National Institute of Standards & Technology according to the following documentation and calibration apparatus used:

Dead Weight Force Machine S/N M-7471 NIST Lab No. 822/268391-03  
Transfer Standard S/N 50751 NIST Lab No. 822/275761-08

Uncertainty of Force Applied from 15,000 Lbf to 120,000 Lbf = +/- 0.002% of applied load, (k=2)  
Uncertainty of Force Applied from 135,000 Lbf to 150,000 Lbf = 13.0 Lbf, (k=2.4)

CALIBRATED BY:

  
B. COOK

DATE CALIBRATED:

DECEMBER 10, 2008  
REPORT NO. 31163L(TEN)1008  
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