

"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, COMPRESSION

(CALIBRATED TO 150,000 LBF)

WEIGHTRONIX WI-125 READOUT, SERIAL NO. 028539

Calibration forces were applied to the above identified instrument "As Found". Adjustments were made and an "As Left" calibration was performed. 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	"AS FOUND"				"AS LEFT"			
	INDICATOR READINGS				INDICATOR READINGS			
LBF	RUN 1	RUN 2	RUN 3	AVERAGE	RUN 1	RUN 2	RUN 3	AVERAGE
15000	15040	15030	15020	15030	15010	15010	15010	15010
30000	30060	30050	30040	30050	30010	30010	29990	30003
45000	45070	45080	45060	45070	45010	45010	44990	45003
60000	60090	60090	60070	60083	60000	60010	59980	59997
75000	75120	75120	75100	75113	75000	75020	74990	75003
90000	90130	90150	90120	90133	90010	90020	89990	90007
105000	105160	105180	105160	105167	105010	105020	104990	105007
120000	120200	120210	120190	120200	120020	120030	120000	120017
135000	135230	135250	135210	135230	135020	135020	135000	135013
150000	150240	150260	150230	150243	150010	150020	149980	150003

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:

DATE CALIBRATED:

DECEMBER 10, 2008

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B. COOK

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