

Company: UB FOUNDATION INC.
Address: 103 KETTER HALL
 (UBF)
 BUFFALO, NY 14260-4300
Contact: MARK PITTMAN : 645-2114, Ext.2439
Dept: SIMULATION LABORATORY (SEESL)

Certificate #: 1044276
Date: 11/21/2003
PO#:
Page: 1

Gage: Load Cell Manual 1000
Mfg: N/A
Location: QC

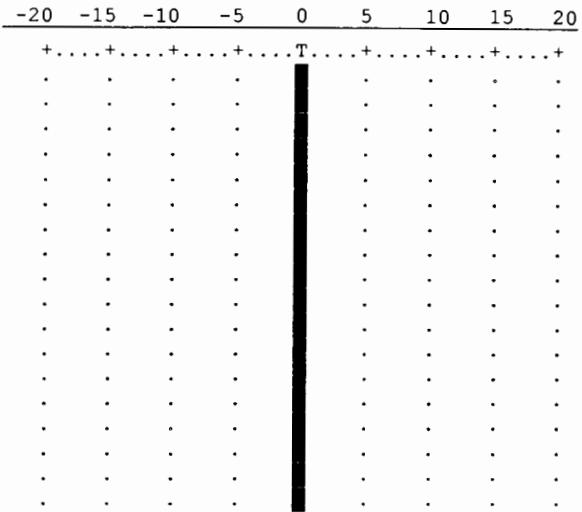
Control: UB#300Kip
Model: 300Kip
Serial #: N/A

+ / - Tolerances: +0.000000 / +0.000000
Graph Scale: +0.000001

UUT As Found Comp.

Nominal	Actual	Deviation	ID #
+0.010500	+0.010500	+0.000000	0 lbs
+0.010800	+0.010800	+0.000000	5k lbs
+0.011100	+0.011100	+0.000000	10k lbs
+0.011500	+0.011500	+0.000000	15k lbs
+0.011900	+0.011900	+0.000000	20k lbs
+0.012200	+0.012200	+0.000000	25k lbs
+0.012600	+0.012600	+0.000000	30k lbs
+0.012900	+0.012900	+0.000000	35k lbs
+0.013200	+0.013200	+0.000000	40k lbs
+0.013500	+0.013500	+0.000000	45k lbs
+0.013800	+0.013800	+0.000000	50k lbs
+0.015400	+0.015400	+0.000000	75k lbs
+0.017000	+0.017000	+0.000000	100k lbs
+0.018500	+0.018500	+0.000000	125k lbs
+0.020100	+0.020100	+0.000000	150k lbs
+0.021700	+0.021700	+0.000000	175k lbs
+0.023300	+0.023300	+0.000000	200k lbs
+0.026500	+0.026500	+0.000000	250k lbs

Measurement Uncertainty: 0.190757g @ 2kg (k=2)

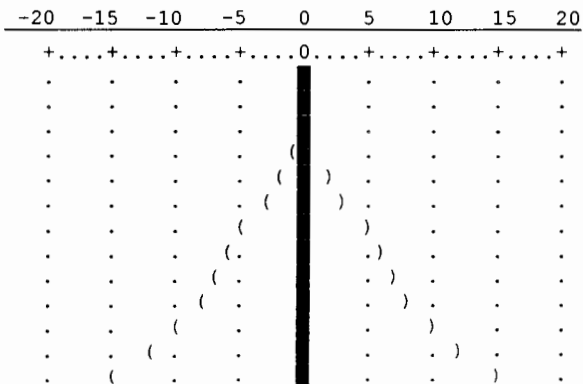


+ / - Tolerances: 5.000% / 5.000%
Graph Scale: +1000.000

UUT Compression

Nominal	Actual	Deviation	ID #
+0.000000	+0.000000	+0.000000	.0105 mv
+5000.000	+5000.000	+0.000000	.0108 mv
+15000.000	+15000.000	+0.000000	.0115 mv
+30000.000	+30000.000	+0.000000	.0126 mv
+50000.000	+50000.000	+0.000000	.0138 mv
+75000.000	+75000.000	+0.000000	.0154 mv
+100000.00	+100000.00	+0.000000	.0170 mv
+125000.00	+125000.00	+0.000000	.0185 mv
+150000.00	+150000.00	+0.000000	.0201 mv
+175000.00	+175000.00	+0.000000	.0217 mv
+200000.00	+200000.00	+0.000000	.0233 mv
+250000.00	+250000.00	+0.000000	.0265 mv
+300000.00	+300000.00	+0.000000	

Measurement Uncertainty: 0.190757g @ 2kg (k=2)



Comments:

PRECISION EQUIPMENT IS IN CONFORMANCE.

Procedure:

110586:Loadte00.gdf

Northeast Metrology Corp.
2601 Genesee Street
Buffalo, NY 14225-2916
716-827-3770 www.vantek-nem.com
ISO/IEC 17025 ACCREDITED

Calibration Certificate

Page #: 2
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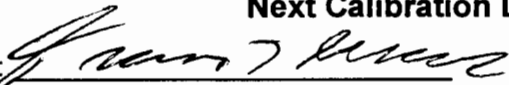
We certify the equipment used for this calibration is traceable to NIST through one or more of the following numbers:

NEM-8115: 300k Load Cell

822/265036-01 Last / Next Cal Dates: 10/10/2003 -> 10/11/2005

Gage Status: AS FOUND

Next Calibration Due: 11/22/2004

Certified By: BK & DR m Signature: 

This certificate is not valid unless all 2 page(s) are present.

Calibration performed in NEM laboratory @ 68°F ±1.8°F (20°C ±1°C), relative humidity less than 50%.

READINGS AND PERTINENT DATA ARE AS FOUND UNLESS OTHERWISE DENOTED IN COMMENTS.

Calibration performed in accordance with ISO/IEC 17025, ISO-9001/2000, ISO 10012-1 & AINSI/NCSL Z540-1.

Gage Blocks meet or exceed Federal Specifications for the grade and accuracy applicable to these items in accordance with Federal Specification GGG-G-15C.

Calibration meets or exceeds 4 : 1 ratio, with the exception of gage blocks stated above.

****Note the recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal statutes.****

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