

***National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices***

For:

Force Transducer (Load Cell)
Bending Beam, shear
Model: 563YH, 563YS (see table page 2)
 n_{max} : Class III Multiple Cell: 5000

Capacity: 1000 lb to 10 000 lb

Accuracy Class: III (see table page 2)

Submitted by:

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Standard Features and Options

Nominal output: 3 mV/V for 563YH and 2 mV/V for 563YS
4-wire design
Material: Alloy Steel for 563YH and Stainless Steel for 563YS
Nominal Input Impedance: 350 ohms

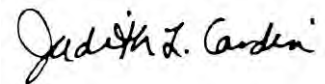
Load Cell Parameters: See Page 2

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.



Jack Kane
Chairman, NCWM, Inc.



Judith L. Cardin
Chairman, National Type Evaluation Program Committee
Issue date: August 29, 2008

Note: The National Conference on Weights and Measures does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

Anyload Transducer Co. Ltd.
Force Transducer (Load Cell)
Model: 563YH, 563YS

Application: The load cells may be used in Class III multiple cell applications consistent with the model designations, number of scale divisions, and parameters specified in this certificate. Load cells of a given accuracy class may be used in applications with lower accuracy class requirements provided the number of scale divisions, the v_{\min} values, and temperature range are suitable for the application. The manufacturer may market the load cell with fewer divisions n_{\max} and with larger v_{\min} values than those listed on the certificate. However, the load cells must be marked with the appropriate n_{\max} and v_{\min} for which the load cell may be used.

Identification: A pressure sensitive identification badge containing the manufacturer, model designation, and serial number is located on the load cell. All other required information, if not marked on the load cell, must be on an accompanying document including the serial number of the load cell.

Load Cell Parameters:

Model Number	Capacity (lb)	Multiple Cell, Class III v_{\min} (lb)	No. of Inc. n_{\max}	Minimum Dead Load (lb)
563YH, 563YS	1000	0.14	5000	0
563YH, 563YS	1500	0.21	5000	0
563YH, 563YS	2000	0.28	5000	0
563YH, 563YS	2500	0.35	5000	0
563YH, 563YS	4000	0.56	5000	0
563YH*, 563YS*	5000	0.70	5000	0
563YH, 563YS	10 000	1.40	5000	0

* Models evaluated

Test Conditions: Two (5000-lb capacity) load cells, one model 563YH and one model 563YS were tested at NIST using dead weights as the reference standard. The data were analyzed for multiple load cell applications. The cells were tested over a temperature range of -10 °C to 40 °C. Three tests were run on each cell at each temperature. The temperature effect on zero was measured and a time dependence (creep) test was performed. The barometric pressure test was waived due to the insensitivity of the load cell design to changes in barometric pressure.

Evaluated By: NIST Force Group, NIST Office of Weights and Measures

Type Evaluation Criteria Used: NIST Handbook 44, 2008 Edition; NCWM Publication 14, 2008 Edition

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

Information Reviewed By: S. Patoray, L. Bernetich (NCWM0)

Example of Models:

Model 563YH



Model 563YS

