NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Load Cell
Single Ended Beam
Model: 563Wxxx
n_{max}: 10 000 Multiple Load Cell Applications
v_{min}: See table below
Capacity: See table below

Accuracy Class: III / III L

Submitted By:
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Standard Features and Options

- Nominal Output: 3.0 mV/V
- Steel construction
- 4 wire design
- Minimum Deal Load: 0 lb

Capacities, and v_{min} Values

Capacity (in lb)	**Class III** v_{min} **Values** (in lb)	**Class III L** v_{min} **Values** (in lb)
10 000	0.4	0.15
15 000	0.6	0.20
20 000	0.8	0.30
25 000	1.0	0.35
37 500	1.5	0.50
50 000	2.0	0.70
60 000	2.4	0.80
75 000	3.0	1.00
100 000	4.0	1.35

This device was evaluated under the National Type Evaluation Program 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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Mahesh Albuquerque
Chairman, NCWM, Inc.

Ivan Hankins
Chair, NTEP Committee
Issued: March 10, 2023

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Anyload LLC
Load Cell / 563Wxxx

Application: The load cells may be used in Class III III L scales for 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} value, and the temperature range are suitable for the application. The manufacturer may market the load cell with fewer divisions (n_{max}) and with a larger v_{min} value 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 label located on the load cell states the manufacturer's name, model, serial number, rated capacity, and accuracy class. Other pertinent information will be specified on the Calibration Certificate accompanying the load cell.

Test Conditions: The purpose of this Certificate of Conformance is to cover the 563W Series load cells. A 20 000 lb (9071.84 kg) capacity load cell was tested by the NMi Certin B.V. at The Netherlands facility. Testing was conducted in accordance with the OIML-CS, utilizing participants for load cell testing signed by the NCWM. Testing was conducted using deadweights as the reference standard. The load cell was tested over a temperature range of -10 °C to 40 °C with tests run at each temperature. The temperature effect on zero was measured and a time dependence (creep) test was performed. The barometric pressure test to determine sensitivity of the load cell design to changes in barometric pressure was conducted. The data were analyzed for multiple load cell applications. OIML R60 selection criteria were used to determine the cells tested.

Evaluated By: R, Valkema and M.M.J. Meijer (NMi)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2023 Edition. *NCWM Publication 14: Weighing Devices*, 2023 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: D. Flocken (NCWM)

Example(s) of Device: