NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Load Cell
Compression
Model: 106xx Series
n_{max}: 10 000, Class III L, Multiple Cell
Capacity: 10 000 to 50 000 kg
Accuracy Class: III L

Submitted By:
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Standard Features and Options

- Model 106xxxx, where the first "xx" in the model designation may be AS, ES, RS, HS, or TS and the last "xx" in the model designation may be SE, LE or FB
- The specific load cell capacities, v_{min} values, and minimum dead loads covered by this Certificate are listed in the table below.
- Nominal output: 1.5 to 3.0 mV/V
- Stainless Steel material
- 4 wire design
- Minimum Dead Load: 0 kg

Models	Capacity	v_{min} Class III L Multiple cell
106xx	10 000 kg*	0.625 kg
	15 000 kg	0.938 kg
	20 000 kg	1.250 kg
	30 000 kg	1.875 kg
	40 000 kg	2.500 kg
*Load cell tested	50 000 kg	3.125 kg

Temperature Range: -10 ºC to 40 ºC (14 ºF to 104 ºF)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST 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.

Ivan Hankins
Chairman, NCWM, Inc.

Hal Prince
Chair, NTEP Committee
Issued: August 31, 2021

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Anyload LLC

Load Cell / 106xx Series

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

Test Conditions: This certificate supersedes certificate of conformance 13-064 and is issued to update company address and add the SE, LE and FB suffix to the model 106 Series. There are no metrological differences between these models and the ones previously listed. No additional testing was necessary. Previous test conditions are listed below for reference.

Certificate of Conformance Number 13-064: Two Model 106, 10 000 kg capacity load cells were tested by the NMi Certain B.V. at The Netherlands facility. Testing was conducted in accordance with the OIML DoMC Mutual Acceptance Arrangement, signed by the NCWM as a utilizing participant for load cell testing. Testing was conducted using deadweights as the reference standard. The load cells were tested over a temperature range of -10 ºC to 40 ºC with tests 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 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 cells tested.

Evaluated By: E. van der Grinten, R. Scholten (NMi) 13-064; M. Manheim (NCWM) 13-064A1

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2013. NCWM, Publication 14: Weighing Devices, 2013.

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

Information Reviewed By: J. Truex (NCWM) 13-064; D. Flocken (NCWM) 13-064A1

Examples of Device: