NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Load Cell
Canister (Compression)
Model: LP7134
n_{max}: 5000, Class III, Multiple Cell
n_{max}: 10 000, Class III L, Multiple Cell

Capacity: 1000 kg to 50 000 kg

Submitted By:
Locosc Ningbo Precision Technology Co., Ltd.
No. 137 Zhenyong Road
Ningbo, Zhejiang 315021 China
Tel: 0086-138-06678368
Fax: 0086-574-87630707
Contact: Minghai Lu
Email: luminghai@locosc.com
Web site: www.locosc.com

Standard Features and Options

- The specific load cell model, capacities and v_{min} values covered by this Certificate are listed in the table.
- Nominal Output: 2.0 mV/V
- Recommended Excitation 10 V AC/DC maximum 20 V AC/DC
- Alloy Steel
- 4 Wire Design

Specific Capacities and v_{min} Values:

Capacity	v_{min}, Multiple Cell Class III	v_{min}, Multiple Cell Class III L	Dead Load
10 000 kg	1.03 kg	0.357 kg	0
20 000 kg	2.06 kg	0.714 kg	0
30 000 kg	3.09 kg	1.071 kg	0
40 000 kg	4.12 kg	1.429 kg	0
50 000 kg	5.15 kg	1.786 kg	0

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.

Craig VanBuren
Chairman, NCWM, Inc.

Stephen Benjamin
Chair, NTEP Committee
Issued: March 19, 2020

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Locosc Ningbo Precision Technology Co., Ltd.

Load Cell / LP7134

Application: The load cells may be used in multiple cell applications Class III 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 identification lable located on the cell, states manufacturer name, model, serial number, CC number and rated capacity. Other pertinent information will be specified on the Calibration Certificate accompanying the cell.

Test Conditions: A Model LP7134, 10 000 kg capacity load cell was tested by the NMi Certain B.V. at The Netherlands facility. Testing was conducted in accordance with the OIML-CS, 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 cell applications. OIML R60 selection criteria were used to determine cells tested.

Evaluated By: M.M.J. Meijer, E. van der Grinten (NMi)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2019 Edition. *NCWM Publication 14 Measuring Devices*, 2019 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:

