



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Load Cell
Single-Point, Compression
Model: 108 TA Series
 n_{max} : Single Cell 5 000
Capacity: 15 kg to 200 kg
Accuracy Class: III

***Submitted By: Contact Info. Updated: November 09**

Anyload Transducer Co., Ltd.
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Standard Features and Options

Standard Features:

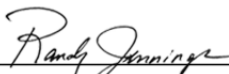
- Nominal Output: 2.0 mV/V
- 4-wire Design
- Excitation Voltage: 15 V
- Material: Aluminum

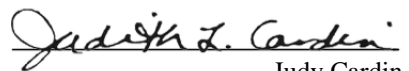
The specific capacities, v_{min} , and minimum dead loads covered by this certificate are listed below.

Capacity (kg)	v_{min} (kg)	Minimum Dead Load
20	0.002	0
30	0.003	0
50*	0.005	0
75	0.0075	0
100	0.010	0
150	0.015	0
200	0.020	0

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

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.


Randy Jennings
Chairman, NCWM, Inc.


Judith Carden
Chairman, National Type Evaluation Program Committee
Issued: November 16, 2009

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Anyload Transducer Co., Ltd.

Load Cell / 108 TA Series

Application: These load cells may be used in Class III scales for single 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 the 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 cell must be marked with the appropriate n_{\max} and v_{\min} for which the load cell may be used.

Identification: Identification information containing the manufacturer's name, model designation, and serial number is etched 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.

Test Conditions: Two 50 kg capacity load cells were tested using dead weights as the reference standard. The data was analyzed for single cell applications. The load cells were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). 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.

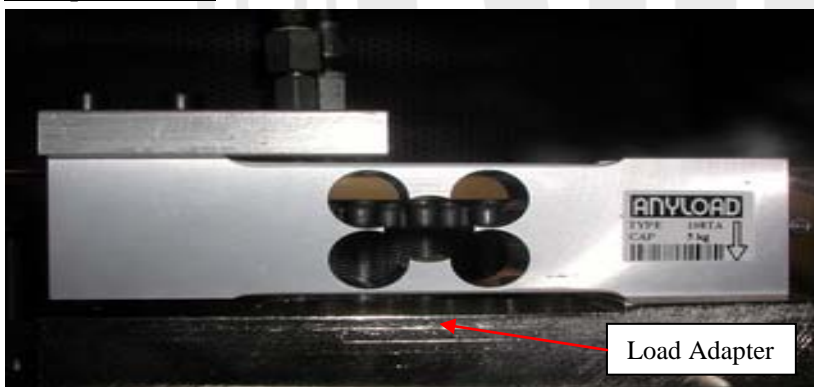
Evaluated By: S. Boyd (CA), Sonia Munoz (CA)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2006. NCWM, Publication 14: Weighing Devices, 2006.

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

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

Example of Device:



Model 108 TA