

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

For:

Load Cell
Stainless Steel Single Ended Beam
Model: 9102
 n_{\max} : Multiple Cell: 5000
 v_{\min} : See Below
Capacity: 200 lb to 2500 lb
Accuracy Class: III

Submitted by:

Revere Transducers, Inc.
14192 Franklin Avenue
Tustin, CA 92680
Tel: (800) 872-4784
Fax: (714) 731-2019
Contact: Jaime San Pedro

Standard Features and Options

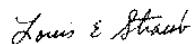
Model Number	Capacity (lb)	Multiple Cells (v_{\min}) lb	Minimum Dead Load
9102-A5-200-YYYY *	200	0.015	0
9102-A5-500-YYYY	500	0.037	0
9102-A5-1000-YYYY	1000	0.075	0
9102-A5-2500-YYYY *	2500	0.187	0
* Load cells submitted for evaluation			

Excitation voltage (range): 5-12 Max 15
Nominal output: 2.0 mV/V
4-wire design

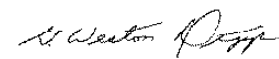
Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

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.

Effective Date: May 18, 1998



Louis E. Straub
Chairman, NCWM, Inc.



G. Weston Diggs
Chairman, National Type Evaluation Program Committee
Issue date: April 12, 1999

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.

This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

Revere Transducers, Inc.
Stainless Steel Single Ended Beam Load Cell
Model: 9102

Application: The load cells may be used in Class III 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} 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.

Test Conditions: Two 2500-lb capacity load cells (Model 9102-A5-2500-10P1) and two 200-lb capacity load cells (Model 9102-A5-200-10P1) 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 performed to determine the sensitivity of the load cell design to changes in barometric pressure.

The results of these evaluations indicate the devices comply with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1998 Edition

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

Information Reviewed By: G. Newrock (NIST), R. Suiter (NIST)