NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

## for Weighing and Measuring Devices

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

**Submitted By:**
Anyload LLC
Bldg. 8, Unit 68, 1275 Bloomfield Ave.
Fairfield, NJ 07004
Tel: (855) 269-5623
Fax: (866) 612-9088
Contact: Gary Gui
Email: gary.gui@load-cell.com
Web site: www.anyload.net

**Standard Features and Options**

- Model 106xx, where the xx suffix in the model designation may be AS, AH, ES, EH, HS, HH, RS, RH, TS or TH
- 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 *load cell tested | $V_{min}$ Class IIIL Multiple cell, n= 10 000 |
|---|---|---|
| 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.

Stephen Benjamin
Chairman, NCWM, Inc.

Kurt Floren
Chairman, National Type Evaluation Program Committee
Issued: June 4, 2013

**1135 M Street, Suite 110 / Lincoln, Nebraska 68508**

## Anyload LLC

Load Cell / 106xx Series

**Application:** The load cells may be used in Class IIIL 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:** 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 °C to 40 °C 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)

**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)

**Examples of Device:**