



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Load Cell  
Bending Beam  
Model: PA06 Series  
 $n_{max}$ : 6000, Class III, Single and Multiple Cell  
Capacity: 3 kg to 200 kg  
Accuracy Class: III

**Submitted By:**

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**Standard Features and Options**

- Model PA06, specific suffixes, load cell capacities and  $v_{min}$  values covered by this Certificate are listed in the table on Page 2
- Nominal output: 2.0 mV/V
- Aluminum material
- 4 wire design
- Minimum Dead Load: 0 kg

Models	Capacity	$V_{min}$ Class III Single/Multiple cell
PA06	5 kg*	0.0003 kg
	50 kg*	0.0033 kg

**\*Load Cells Tested**

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.

  
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Kristin Macey  
Chairman, NCWM, Inc.

  
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Jerry Buendel  
Chairman, National Type Evaluation Program Committee  
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**Beijing True-Tec Co., Ltd.**

Load Cell / PA06 Series

**Application:** The load cells may be used in Class III scales for single and 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.

**Specific Models, Capacities and  $v_{\min}$  Values:**

Model	Capacity (kg) *load cells tested	$V_{\min}$ (kg) Class III Single/Multiple Cell
PA06 and PA06R	3	0.00028
	5*	0.00033
	7	0.00046
	10	0.00067
	15	0.00099
	20	0.00125
	30	0.00150
	35	0.00175
	40	0.0027
	50*	0.0033
	75	0.0050
	100	0.0066
	150	0.0099
	200	0.0125
PA06MG	5	0.00033
	10	0.00067
	20	0.00125
	35	0.00175

**Identification:** A pressure sensitive identification label located on the cell, states manufacturer name, model, serial number and rated capacity. All other pertinent required information will be specified on the Calibration Certificate accompanying the cell.

**Test Conditions:** Model PA06, 5 kg and 50 kg capacity load cell was 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 cell was 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 single load cell applications. OIML R60 selection criteria were used to determine cells tested.

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

**Type Evaluation Criteria Used:** NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2016. NCWM, Publication 14: Weighing Devices, 2016.

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



**Beijing True-Tec Co., Ltd.**

Load Cell / PA06 Series

**Information Reviewed By:** J. Truex (NCWM)

**Examples of Device:**

