

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-15.06  
Project number 14200254  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Vishay Celtron (Tianjin) Technologies No. 5 Binguan Nan Dao Youyi Road Hexi District, Tianjin 300061 China
Identification of the certified type	A <b>compression load cell</b> , with strain gauges. Type : ASC2
Characteristics	See next page

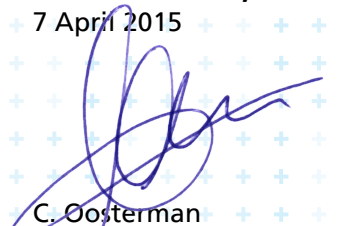
This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R60** - Edition 2000 (E) for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.  
This Certificate does not bestow any form of legal international approval.

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Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**  
7 April 2015



C. Oosterman  
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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see [www.nmi.nl](http://www.nmi.nl)).



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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-14200254-01 dated 7 April 2015 that includes 51 pages.

### Characteristics of the load cell:

Maximum capacity ( $E_{max}$ )	25 t	30 t up to and including 60 t
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	1,6 mV/V	2,0 mV/V
Maximum number of load cell intervals (n)	5500	
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	9400	
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	5500	
Input impedance	1160 $\Omega \pm 60 \Omega$	
Temperature range	-10 °C / +40 °C	
Fraction $p_{LC}$	0,7	
Humidity Class	CH	
Safe overload	150 % of $E_{max}$	
Output impedance	1011,5 $\Omega \pm 11,5 \Omega$	
Recommended excitation	10 V DC	
Excitation maximum	15 V DC	
Transducer material	Stainless steel	
Atmospheric protection	Welded seal	

The characteristics for  $n_{max}$  and Y and Z can be reduced separately.

Each produced load cell is provided with an accompanying document with information about its characteristics.

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the MAA Declaration of Mutual Confidence:

- R 60 DoMC-01 rev.0, Additional requirements from the United States;
- R 60 DoMC-02 rev.0, Additional requirements from the United States.