OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60/2000-NL1-17.12 revision 1
Project number 1900624

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	GRUPO EPELSA, S.L. C/Punto Net, 3 Parque Tecnológico, TECNOALCALÁ 28805 Alcalá de Henares Madrid Spain
Identification of the certified type	A **shear beam load cell**, with strain gauges. Type : SQB
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.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
7 April 2017

C. Oosterman
Head Certification Board

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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-11200809-05 dated 10 April 2012 that includes 27 pages;
- No. NMi-13200048-04 dated 6 June 2013 that includes 27 pages;
- No. NMi-15200654-02 dated 11 December 2015 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	150 kg up to and including 750 kg	7500 kg up to and including 20000 kg	500 kg up to and including 2500 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2,000 ± 0,002 mV/V	3,000 ± 0,003 mV/V	
Maximum number of load cell intervals (n)	3000		4000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	10000		10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000		4000
Input impedance	400 Ω ± 20 Ω		
Temperature range	-10 °C / +40 °C		
Fraction p_{LC}	0,7		
Humidity Class	CH		
Safe overload	150 % of E_{max}		
Output impedance	352 Ω ± 3 Ω		
Recommended excitation	10 - 12 V AC / DC		
Excitation maximum	15 V AC / DC		
Transducer material	Alloy steel		
Atmospheric protection	Hermetically welded		

The characteristics for n_{max} and Y can be reduced separately. Z is proportional or equal to n_{max}.

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

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Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
Initial	21 March 2017	-
1	7 April 2017	Additional load cell capacities added based on existing test reports.