OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-20-28
Project number 2518186

Issuing authority	NMi Certin B.V. Person responsible: M. Boudewijns
Applicant and Manufacturer	JiangSu Hongli Weighing Equipment Co., Ltd No.21 Longhui Road, Wujin High-tech Development District, Changzhou, JiangSu China
Identification of the certified type	A **bending beam load cell**, with strain gauges Registered trade name : Name Type : AS130(S), AS133, AS137, AS203 SS130(S), SS133, SS137, SS203
Characteristics	See next page

This OIML Certificate is issued under scheme A.

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 R 60 - Edition 2017 (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 August 2020

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-16200779-01 dated 8 May 2017 that includes 51 pages;
- No. NMi-16200779-02 dated 8 May 2017 that includes 46 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	500 kg up to and including 2500 kg	
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2 mV/V	
Maximum number of load cell intervals (n)	5000	4500
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	20000	18000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	6000	
Input impedance	381 Ω ± 5 Ω	
Temperature range	-10 °C / + 40 °C	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Output impedance	350 Ω ± 3 Ω	
Recommended excitation	10 V AC / DC	
Excitation maximum	15 V AC / DC	
Transducer material	Alloy steel	Stainless steel
Atmospheric protection	Hermetically welded	

Remarks:
1. The characteristics for n_{max}, Y and Z can be reduced separately.

Each load cell produced 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 Utilizer Declaration:
- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.