

OIML Member State

The Netherlands

OIML Certificate



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Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Sch	nmidt
Applicant and Manufacturer	Ningbo AIEN Electronics Co., Lt No. 66 Xiantan Road, Langxia S Yuyao City, Ningbo China	
Identification of the certified type	A shear beam load cell , with Registered trade name	: AIEN
	Туре	: HSQB
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. Thijsseweg 11 2629 JA Delft The Netherlands T +31 88 6362332 certin@nmi.nl www.nmi.nl NMi Certin B.V., OIML Issuing Authority NL1 24 December 2021

Certification Board

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

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.









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

No. NMi-2414296-01 dated 24 December 2021 that includes 51 pages.

Characteristics of the load cell:

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Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E _{max})	1000 kg up to and including 5000 kg	
Minimum dead load	0 kg	
Accuracy Class	С	
Rated Output	3 mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	4000	
Ratio of minimum LC Verification interval ⁽¹⁾ Y = E_{max} / v_{min}	20000	
Ratio of minimum dead load output return ⁽¹⁾ Z = E_{max} / (2 * DR)	4000	
Input impedance	400 Ω ± 20 Ω	
Temperature range	-10 °C / + 40 °C	
Fraction p _{LC}	0,7	
Humidity Class	СН	
Safe overload	150 % of E _{max}	
Output impedance	352 Ω ± 3 Ω	
Recommended excitation	10 V AC / DC	
Excitation maximum	15 V AC / DC	
Transducer material	Alloy steel	
Atmospheric protection	Hermetically welded	

Remark:

1. The characteristics for $n_{\mbox{\tiny max}}$ 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.