



OIML Certificate

OIML Member State
The Netherlands

Number R60/2021-A-NL1-25.10 revision 0
Project number 3958128
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Issuing authority

NMi Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and
Manufacturer

PESAGE NOUVELLE AQUITAINE
3, rue des Beaux Vallons
17540, Saint Sauveur d'Aunis
France

Identification of the
certified type

A **compression load cell**, with strain gauge.
Registered trade name : PESAGE NOUVELLE AQUITAINE
Type : PNA-ZSF-A-...
PNA-ZSFY-A-... or
PNA-ZSFYB-A-...

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 60-1:2021 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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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
19 June 2025

Certification Board

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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

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on 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 reports:

- No. R60\2000-NL1-05.17A dated 12 October 2005 that includes 40 pages;
- No. R60\2000-NL1-05.17B dated 12 October 2005 that includes 37 pages.

Characteristics of the load cell:

	PNA-ZSF-A-...	PNA-ZSFY-A-...	PNA-ZSFYB-A-...
Characterization of load cell capabilities	Analog-passive load cell		
Maximum capacity (E_{\max})	10000 kg up to and including 50000 kg		
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2 mV/V \pm 0.002 mV/V		
Maximum number of load cell intervals (n) ⁽¹⁾	3000		
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{\max} / v_{\min}$	10000		
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{\max} / (2 * DR)$	3000		
Input impedance	400 $\Omega \pm 20 \Omega$	730 $\Omega \pm 30 \Omega$	1100 $\Omega \pm 10 \Omega$
Temperature range	-10 °C / + 40 °C		
Fraction p_{LC}	0,7		
Humidity Class	CH		
Safe overload	150 % of E_{\max}		
Output impedance	352 $\Omega \pm 2 \Omega$	705 $\Omega \pm 5 \Omega$	1005 $\Omega \pm 5 \Omega$
Recommended excitation	10/12 V DC		
Excitation maximum	15 V DC		
Transducer material	Alloy steel		
Atmospheric protection	Welded steel cover		

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.



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Revision History

Revision	Date	Change(s)
0	2025-06-19	Initial issue.