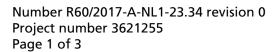




OIML Member State

The Netherlands





Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant and Técnicas de Electrónica y Automatismos S.A.

Manufacturer C/Espronceda n.180

> Barcelona Spain

Identification of the

certified type

A compression load cell, with strain gauges, equipped with electronics.

Registered trade name : UTILCELL

Type 730D

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 60-1:2017 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 21 December 2023



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 on top of the electronic version of this certificate.







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OIML Certificate

OIML Member State The Netherlands



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The conformity was established by the results of tests and examinations provided in the associated report:

- No. NMi-3621255-01 dated 21 December 2023 that includes 71 pages.

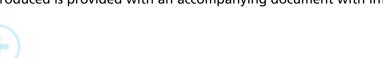
Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell			
Maximum capacity (E _{max})	20 t up to and including 100 t			
Minimum dead load	0 kg			
Accuracy Class	С			
Maximum number of load cell intervals (n) (1)	3900			
Ratio of minimum LC Verification interval $^{(1)}$ Y = E_{max} / v_{min}	18000			
Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$	3900			
Temperature range	-10 °C / +40 °C			
Fraction p _{LC}	0,7			
Humidity Class 🕕	СН			
Safe overload	150 % of E _{max}			
Recommended excitation	12 V DC			
Excitation maximum	18 V DC			
Transducer material	Stainless steel			
Atmospheric protection	Hermetically welded			
Electromagnetic environment class	E2			
Number of counts for E _{max}	≥ Y * 5 / p _{LC}			
Software identification	Version number: 1.xxx ⁽²⁾			

Remarks:

- 1. The characteristics for n_{max} , Y and Z can be reduced separately.
- 2. xxx is a number between 120 and 999.

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









OIML Certificate

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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.

Revision History

Revision	Date	Change(s)		
0	2023-12-21	Initial issue.		







