

OIML Member State
The Netherlands

Number R60/2021-A-NL1-24.30 revision 0
Project number 3819083
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Issuing authority

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

Applicant and
Manufacturer

Società Cooperativa Bilanciai Campogalliano
Via S.Ferrari n.16
41011 Campogalliano (MO)
Italy

Identification of the
certified type

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

Registered trade name : Società Cooperativa Bilanciai
Campogalliano

Type : CPD-TD

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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
25 November 2024

Certification Board

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

- No. NMI-3819083-01 dated 25 November 2024 that includes 94 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	C	
Maximum number of load cell intervals (n) ⁽¹⁾	6000	
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / v_{min}$	18000	
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	6000	
Temperature range	-10 °C / +40 °C	
Fraction p_{LC}	0,8	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Recommended excitation	10 - 18 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}	$200000 \geq Y * 5 / p_{LC}$	
Software identification	Software id	491411
	Version number	1.01
	Checksum	0x327FC9AB

Remark:

- 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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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	2024-11-25	Initial issue.