



OIML Certificate

OIML Member State
The Netherlands

Number R60/2021-A-NL1-26.07 revision 0
Project number 3933190
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Issuing authority

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

Applicant and
Manufacturer

CAS Corporation
#262, Geurugogae-ro, Gwangjeok-myeon
Yangju-si, Gyeonggi-do
Republic of Korea

Identification of the
certified type

A **single point load cell**, with strain gauges.

Registered trade name : CAS

Type : BCLHR

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
3 July 2026

Certification Board

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

- No. NMI-3933190-01 dated 3 July 2026 that includes 50 pages;
- No. NMI-3933190-02 dated 3 July 2026 that includes 46 pages;
- No. NMI-3933190-03 dated 3 July 2026 that includes 46 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell		
Maximum capacity ($E_{\max}$)	3 kg up to 15 kg	15 kg up to 75 kg	60 kg up to and including 300 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2 mV/V $\pm$ 0,02 mV		
Maximum number of load cell intervals (n) ⁽¹⁾	6000		
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{\max} / v_{\min}$	8800	12000	
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{\max} / (2 * DR)$	6800	10000	11000
Input impedance	420 $\Omega \pm 20 \Omega$		
Temperature range	-10 °C / + 40 °C		
Fraction p_{LC}	0,7		
Humidity Class	NH		
Safe overload	150 % of $E_{\max}$		
Output impedance	350 $\Omega \pm 3,5 \Omega$		
Recommended excitation	10 V AC / DC		
Excitation maximum	15 V AC / DC		
Transducer material	Aluminium		
Atmospheric protection	Silicon rubber		

Remark:

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



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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	2026-07-03	Initial issue.