

OIML Member State
The Netherlands

Number R60/2017-A-NL1-20.38
Project number 2474789
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Issuing authority

NMi Certin B.V.
Person responsible: M. Boudewijns

Applicant and
Manufacturer

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

Identification of the
certified type

A **tension load cell**.
Registered trade name : CAS Corporation
Type : SSN Series

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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
20 November 2020

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Reports:

- No. NMI-2474789-01 dated 20 November 2020 that includes 27 pages;
- No. NMI-2474789-02 dated 20 November 2020 that includes 24 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E_{max})	1000 kg up to and including 12000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	1,0 mV/V \pm 0,2 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	3000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	5000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3000
Input impedance	390 Ω \pm 40 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	350 Ω \pm 3,5 Ω
Recommended excitation	10 V DC
Excitation maximum	15 V DC
Transducer material	Alloy steel
Atmospheric protection	Silicon rubber

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.