

OIML Member State
The Netherlands

Number R60/2017-A-NL1-24.12 revision 0
Project number 3791485
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Issuing authority

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

Applicant and
Manufacturer

CURIOTEC Co., Ltd.
79, Myeongbongsan-ro, 352beon-gil,
Gwangtan-myeon, Paju-si, Gyeonggi-do,
South Korea

Identification of the
certified type

A **double ended shear beam load cell**, with strain gauges.
Registered trade name : CURIOTEC CO., LTD.
Type : SPMT-C6 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 60-1:2017 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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
14 May 2024

Certification Board

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

- No. NMI-3503623-01 dated 22 June 2023 that includes 26 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E _{max})	6 t up to and including 30 t
Minimum dead load	0 t
Accuracy Class	C
Rated Output	1,85 mV/V ± 0,05 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	6000
Ratio of minimum LC Verification interval ⁽¹⁾ Y = E _{max} / V _{min}	12000
Ratio of minimum dead load output return ⁽¹⁾ Z = E _{max} / (2 * DR)	6000
Input impedance	800 Ω ± 50 Ω
Temperature range	-10 °C / +40 °C
Fraction p _{LC}	0,7
Humidity Class	NH
Safe overload	150 % of E _{max}
Output impedance	700 Ω ± 7 Ω
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Alloy steel
Atmospheric protection	Silicone

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.

Revision History

Revision	Date	Change(s)
0	2024-05-14	Initial issue.