OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-21.35
Project number 2446184

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant	HANGZHOU TIANCHEN SCALE EQUIPMENT CO.,LTD Changle Industry Zone, Jingshan Town, Yuhang District Hangzhou China
Manufacturer	KELI Sensing Technology (Ningbo) CO., LTD NO.199 Changxing Road C District, Jiangbei Investment Industrial Park Ningbo China
Identification of the certified type	A **shear beam load cell**, with strain gauges. Registered trade name : HANGZHOU TIANCHEN SCALE EQUIPMENT CO.,LTD Type : DGG
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.

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
27 September 2021

Certification Board

NMi Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):
- No. NMi-2446184-01 dated 27 September 2021 that includes 27 pages;

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E_{max})	2000 kg up to and including 10000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2,0 ± 0,2 mV/V
Maximum number of load cell intervals (n) (1)	3000
Ratio of minimum LC Verification interval (1) $Y = E_{max} / v_{min}$	8000
Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$	3000
Input impedance	400 Ω ± 20 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	352 Ω ± 3 Ω
Recommended excitation	10 V DC
Excitation maximum	12 V DC
Transducer material	Steel
Atmospheric protection	Silicon rubber

Remark:
1. The characteristics for n_{max}, Y and Z can be reduced separately.