



OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-19.35
Project number 2379323
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Issuing authority NMI Certin B.V.
Person responsible: F. van Booma – de Smit

Applicant and Manufacturer Tscale Electronics Mfg. (Kunshan) Co., Ltd.
No. 99, Jingwei road, Zhoushi
Kunshan, Jiangshu, 215337
China

Identification of the certified type A **single point load cell**, with strain gauges.

Type : BX8A

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**
16 December 2019

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 Type Evaluation Report:

- No. NMI-2379323-01 dated 16 December 2019 that includes 27 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E_{max})	100 kg up to and including 500 kg	
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,0 mV/V \pm 0,2 mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	3000	4000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	10000	15000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3000	4000
Input impedance	406 $\Omega \pm 6 \Omega$	
Temperature range	-10 °C / + 40 °C	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Output impedance	350 $\Omega \pm 3 \Omega$	
Recommended excitation	5 – 12 V AC / DC	
Excitation maximum	18 V AC / DC	
Transducer material	Aluminium	
Atmospheric protection	IP65	

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.