

## OIML Certificate



## **OIML Member State**

The Netherlands

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Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant and Manufacturer

Changzhou Runningtech Sensing Co., Ltd.

No.20 Wangxian Road, Xinbei district, Jiangsu province

Changhou

China

Identification of the certified type

A compression load cell, with strain gauges.

Type P510A

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):

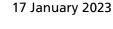
OIML R 60-1:2017 for accuracy class C

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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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.

## NMi Certin B.V., OIML Issuing Authority NL1



**Certification Board** 

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on top of the electronic version of this certificate.





Issuing Authority



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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-16200790-03 dated 19 December 2016 that includes 51 pages.

#### **Characteristics of the load cell:**

Maximum capacity (E <sub>max</sub> )	20 t up to and including 50 t
Minimum dead load	0 kg
Accuracy Class	С
Rated Output	2,0 ± 0,002 mV/V
Maximum number of load cell intervals (n)	4000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	4000
Input impedance	700 $\Omega$ ± 20 $\Omega$
Temperature range	-10 °C / + 40 °C
Fraction p <sub>LC</sub>	0,7
Humidity Class	СН
Safe overload	150 % of E <sub>max</sub>
Output impedance	706 $\Omega$ ± 7 $\Omega$
Recommended excitation	10 V DC
Excitation maximum	15 V DC
Transducer material	Alloy steel
Atmospheric protection	Hermetically welded

#### Remarks:

1. The characteristics for  $n_{\mbox{\tiny max}},\,Y$  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 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.





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### **Revision History**





Revision	Date	Change(s)
0	2023-01-17	Initial issue.









