



OIML Certificate

OIML Member StateThe Netherlands



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Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant NTS INSTRUMENT (XIAMEN) CO., LTD.

No.19 Xinle Road, Xinyang Industrial Zone, Haicang District

Xiamen, 361028

China

Manufacturer HOPE TECHNOLOGIC (XIAMEN) CO., LTD.

No.19 Xinle Road, Xinyang Industrial Zone, Haicang District

Xiamen, 361028

China

Identification of the

certified type

A single point load cell, with strain gauges.

Registered trade name : Mavin,

HL,

NTS INSTRUMENT.

Type : NA..., NA... M or NA... F

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

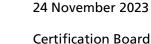
This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

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.

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1





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











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

- No. R60/2000-NL1-07.18 dated 22 November 2007 that includes 40 pages;
 - No. NMi-15200282-01 dated 29 June 2015 that includes 51 pages;
- No. NMi-15200282-02 dated 29 June 2015 that includes 46 pages;
- No. NMi-15200282-03 dated 29 June 2015 that includes 46 pages;
- No. NMi-3663823-01 dated 24 November 2023 that includes 51 pages;
- No. NMi-3663823-02 dated 24 November 2023 that includes 46 pages.

Characteristics of the load cell:

Analog-passive load cell			
3 kg up to and including 15 kg	20 kg up to 100 kg	100 kg up to 500 kg	500 kg up to and including 2500 kg
0 kg			
С			
2 mV/V ± 10 %			
3000	5000	6000	6000
7900	10000	29000	23000
9500	5000	20000	11000
410 Ω ± 15 Ω			
-10 °C / + 40 °C			
0,7			
СН			
150 % of E _{max}			
350 Ω ± 5 Ω			
5 - 12 V AC / DC			
15 V AC / DC			
Aluminium			
Silicone rubber			
	and including 15 kg 3000 7900 9500	3 kg up to and including 15 kg 20 kg up to 100 kg 2 mV/\(3000) 7900 10000 9500 5000 410 Ω -10 °C 0 150 % 350 Ω 5 - 12 \(\) Alum	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Remark:

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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.

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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.

Revision History

Revision	Date	Change(s)
0	2023-11-24	Initial issue.









