



OIML Certificate

OIML Member State
The Netherlands

Number R60/2021-A-NL1-26.10 revision 0
Project number 3838988
Page 1 of 3

Issuing authority

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

Applicant

WIKA Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Straße 30
63911 Klingenberg
Germany

Manufacturer

WIKA Instruments India Pvt. Ltd.
Plot no 40, GAT. No 94 + 100,
Hi- Cliff Industrial Estate,
Village Kesnand Wagholi,
Pune 412207,
Maharashtra, India

Identification of the
certified type

A **bending beam load cell**, with strain gauges.
Registered trade name : WIKA
Type : F3803

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 60-1:2021 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
3 July 2026

Certification Board

NMi Certin B.V.
Thijssseweg 11
2629 JA Delft
the Netherlands
T +31 88 636 2332
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

Reproduction of the complete document only is permitted.

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



OIML Member State
The Netherlands

Number R60/2021-A-NL1-26.10 revision 0
Project number 3838988
Page 2 of 3

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

- No. NMI-3838988-01 dated 3 July 2026 that includes 49 pages;
- No. NMI-3838988-02 dated 3 July 2026 that includes 51 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity ($E_{\max}$)	20 kg up to 50 kg	50 kg up to and including 250 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2 mV/V $\pm$ 0,02 mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	4000	5000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{\max} / v_{\min}$	8000	25000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{\max} / (2 * DR)$	6000	5000
Input impedance	385 $\Omega \pm 10 \Omega$	
Temperature range	-10 °C / + 40 °C	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	150 % of $E_{\max}$	
Output impedance	350 $\Omega \pm 5 \Omega$	
Recommended excitation	10 V DC	
Excitation maximum	15 V DC	
Transducer material	Stainless steel	
Atmospheric protection	Hermetically welded	

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.



OIML Certificate

OIML Member State
The Netherlands

Number R60/2021-A-NL1-26.10 revision 0
Project number 3838988
Page 3 of 3

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	2026-07-03	Initial issue.