

**OIML Member State**  
The Netherlands

Number R60/2021-A-NL1-24.10 revision 0  
Project number 3725495  
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Issuing authority

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

Applicant and  
Manufacturer

Minebea Intec GmbH  
Meiendorfer Strasse 205 A  
D-22145 Hamburg  
Germany

Identification of the  
certified type

A **compression load cell**, with strain gauges, equipped with electronics.  
Registered trade name : Minebea Intec GmbH  
Type : PR 6226

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.

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Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**  
20 August 2024

Certification Board

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

- No. NMI-3725495-01 dated 20 August 2024 that includes 16 pages;
- No. NMI-3725495-02 dated 20 August 2024 that includes 61 pages;
- No. NMI-3725495-04 dated 20 August 2024 that includes 16 pages.

### Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell with data processing
Maximum capacity ( $E_{max}$ )	20 t up to and including 100 t
Minimum dead load	0 t
Accuracy Class	C
Maximum number of load cell intervals (n) <sup>(1)</sup>	4000
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / V_{min}$	20000
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	4000
Temperature range	-10 °C / +40 °C
Fraction $p_{LC}$	0,8
Humidity Class	CH
Safe overload	150 % of $E_{max}$
Recommended excitation	24 V DC
Excitation maximum	28 V DC
Transducer material	Stainless steel
Atmospheric protection	Hermetically welded
Number of counts for $E_{max}$	$\geq Y * 5 / p_{LC}$
Software identification	Version number: 01.02.xx <sup>(2)</sup>

Remarks:

1. The characteristics for  $n_{max}$ , Y and Z can be reduced separately.
2. xx is a number between 00 and 99 representing updates of the non legally relevant part of the software.

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	2024-08-20	Initial issue.