

## OIML Certificate of Conformity

**OIML Member State** The Netherlands Number R60/2000-NL1-17.55 Project number 1900957 Page 1 of 2

| Issuing authority  | NMi Certin B.V.<br>Person responsible: C. Oosterman   |
|--|---|
| Applicant and<br>Manufacturer  | MinebeaMitsumi Inc.   |
| Manufacturer   | 1-1-1, Katase Fujisawa-shi, Kanagawa-ken<br>251-8531<br>Japan   |
|  | *   |
| + Identification of the  | A <b>bending beam load cell</b> , with strain gauges.   |
| certified type   | Type : M110 or PR79<br>M110T or PR79T   |
| Characteristics  | See next page   |
| identified in the OIML   | the conformity of the above identified Type (represented by the sample(s)<br>Test Report) with the requirements of the following Recommendation of the<br>ition of Legal Metrology (OIML):  |
|  | OIML R60 - Edition 2000 (E) for accuracy class C  |
| + instrument covered by  | only to the metrological and technical characteristics of the type of measuring the relevant OIML International Recommendation above-identified.  |
| OIML Member State in   | from the mention of the Certificate's reference number and the name of the<br>which the Certificate was issued, partial quotation of the Certificate and of<br>est Report(s) is not permitted, although either may be reproduced in full. |
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| Issuing Authority  | NMi Certin B.V., OIML Issuing Authority NL1<br>4 September 2017<br>C. Oosterman   |
|  | Head Certification Board  |
| NMi Certin B.V.<br>Hugo de Grootplein 1<br>3314 EG Dordrecht<br>the Netherlands<br>T +31 78 6332332<br>certin@nmi.nl<br>www.nmi.nl | This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.<br>The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org       |



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| Characteristics of the load cell:  |   | ages. + + + +             |   |
|--|---|---------------------------|---|
|  |   |                           |   |
| Maximum capacity (E <sub>max</sub> )   | 91 kg up to<br>227 kg                   | 227 kg up to<br>1134 kg   | 1134 kg up to<br>and including<br>5099 kg |
| Minimum dead load  | 0 kg                                    |                           |   |
| Accuracy Class   | C                                       |                           |   |
| Rated Output   | 2,0 mV/V                                |                           |   |
| Maximum number of load cell intervals (n) $^{(1)}$ +                                       |   | + + + 3000+ + +           |   |
| Ratio of minimum LC Verification interval <sup>(1)</sup><br>Y = $E_{max} / v_{min}$        | 20000                                   | 18000                     | 20000                                     |
| Ratio of minimum dead load output return <sup>(1)</sup><br>Z = E <sub>max</sub> / (2 * DR) | · + + + + + + + + + + + + + + + + + + + | 3000                      | * * * * * * *                             |
| nput impedance   | 1100 Ω ± 10 Ω                           |                           |   |
| 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 + + + + + + + + +   |   | 1000 Ω ± 1 Ω              |   |
| ecommended excitation 10 V AC / DC   |   |                           |   |
| Excitation maximum   | 15 V AC / DC                            |                           |   |
| Transducer material  |   | Stainless steel           |   |
| Atmospheric protection   | • + + + + + p                           | Hermetically welde        | ed + + + + +                              |