



Member State of OIML  
Japan



OIML Certificate No.  
R60/2000-JP1-13.01  
Revision 1

## OIML CERTIFICATE OF CONFORMITY

### Issuing authority

Name: National Metrology Institute of Japan / National Institute of  
Advanced Industrial Science and Technology (NMIJ / AIST)  
Address: AIST Tsukuba Central 3-9, Tsukuba Ibaraki 305-8563, Japan  
Person responsible: Dr. Ryoji Chubachi, President of AIST

### Applicant

Name: MinebeaMitsumi Inc.  
Address: 1-1-1, Katase, Fujisawa-shi, Kanagawa-ken, 251-8531, Japan

### Manufacturer of the certified pattern

Name: MinebeaMitsumi Inc.  
Address: 1-1-1, Katase, Fujisawa-shi, Kanagawa-ken, 251-8531, Japan

### Identification of the certified pattern:

Universal (Tension/Compression) load cell

Type: U2S1-200K-C3, U2S1-250K-C3, U2S1-500K-C3, U2S1-1T-C3,  
U2S1-2T-C3

Fraction:  $\Pi=0.7$

Temperature range:  $-10\text{ }^{\circ}\text{C} / 40\text{ }^{\circ}\text{C}$



Member State of OIML  
Japan



OIML Certificate No.  
R60/2000-JP1-13.01  
Revision 1

Characteristics:

| Model designation  |           |          | U2S1-xx K-C3,<br>where xx equivalent to the $E_{max}$ | U2S1-xx T-C3,<br>Where xx equivalent to the $E_{max}/1000$ |
|--|-----------|----------|---|--|
| Accuracy class   | Class     | -        | C   |  |
| Maximum number of load cell verification intervals                   | $n_{max}$ | -        | 3000  |  |
| Humidity symbol  |           |          | CH  |  |
| Minimum dead load  | $E_{min}$ | kg       | 0   |  |
| Maximum capacity   | $E_{max}$ | kg       | 200,250,500   | 1000,2000  |
| Safe load limit  | $E_{lim}$ | kg       | $1.5 * E_{max}$                                       |  |
| Minimum verification interval  | $v_{min}$ | kg       | $E_{max}/10000$                                       |  |
| Apportionment factor   | $p_{LC}$  |          | 0.7   |  |
| Ratio of minimum LC Verification interval<br>$Y = E_{max} / v_{min}$ | $Y$       | -        | 10000   |  |
| Ratio of minimum dead load output return<br>$Z = E_{max} / (2 * DR)$ | $Z$       | -        | 3000  |  |
| Rated output   |           | mV/V     | 2.0   |  |
| excitation voltage   |           | V DC     | 5~15  |  |
| Input impedance  | $R_{LC}$  | $\Omega$ | $420 \pm 40$  |  |
| Cable detail   |           | -        | 6m<br>4wire   |  |

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report(s) with the requirements of the following Recommendation of the International Organization of Legal Metrology - OIML):

R60, edition 2000 (E)  
For accuracy class C

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated test report no. 13-01/R60:2000, that includes 59 pages.



Member State of OIML  
Japan

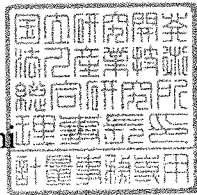


OIML Certificate No.  
R60/2000-JP1-13.01  
Revision 1

The Issuing Authority  
NMIJ/AIST

The CIML member

Dr. Ryoji Chubachi  
President of AIST  
2017-03-21



Dr. Y. Miki  
2017-03-21

Important note: Apart from the mention of Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated Test Report is not permitted, although either may be reproduced in full.