



Member State of OIML
Japan



OIML Certificate No.
R60/2000-JP1-12.04
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. Tamotsu Nomakuchi, President of AIST

Applicant

Name: MINEBEA CO., LTD.
Address: 1-1-1, Katase, Fujisawa-shi, Kanagawa-ken, 251-8531, Japan

Manufacturer of the certified pattern

Name: MINEBEA CO., LTD.
Address: 1-1-1, Katase, Fujisawa-shi, Kanagawa-ken, 251-8531, Japan

Identification of the certified pattern:

Compression load cell
Type: CC010-10T-C3, CC010-20T-C3, CC010-30T-C3, CC010-50T-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-JP1-12.04
Revision 1

Characteristics:

Model designation			CC010-xx T-C3 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	10000,20000,30000,50000
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 $Y = E_{max} / v_{min}$	Y	-	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	Z	-	3000
Rated output		mV/V	2.0
excitation voltage		V DC	5~15
Input impedance	R_{LC}	Ω	700 ± 7
Cable detail		-	10m 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. 12-10/R60:2000, that includes 19 pages.



Member State of OIML
Japan



OIML Certificate No.
R60/2000-JP1-12.04
Revision 1

The Issuing Authority
NMIJ/AIST

The OIML member



Dr. T. Nomakuchi
President of AIST
2012-09-06

Dr. Y. Miki
2012-09-06

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.