



Member State of OIML
Japan



OIML Certificate No.
R60/2000-JP1-11.08

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: DC003-10T, DC003-20T, DC003-30T, DC003-40T,
KDC003-10T, KDC003-20T, KDC003-30T, KDC003-40T
Fraction: $\pi=0.7$
Temperature range: $-10\text{ }^{\circ}\text{C} / 40\text{ }^{\circ}\text{C}$



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Characteristics:

Model designation			DC003-10T KDC003-10T	DC003-20T KDC003-20T	DC003-30T KDC003-30T	DC003-40T KDC003-40T
Accuracy class	Class	-	C			
Maximum number of load cell verification intervals	n_{max}	-	6000			
Humidity symbol			CH			
Minimum dead load	E_{min}	kg	0			
Maximum capacity	E_{max}	kg	10000	20000	30000	40000
Safe load limit	E_{lim}	kg	1.5* E_{max}			
Minimum verification interval	v_{min}	kg	$E_{max} / 20000$			
Apportionment factor	p_{LC}		0.7			
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	Y	-	20000			
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	Z	-	6000			
excitation voltage		V DC	6~15			
Cable length		m	9~15			

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. 11-08/R60:2000, that includes 33 pages.



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The Issuing Authority
NMIJ/AIST



Dr. T. Nomakuchi
President of AIST
2011-09-16

The CIML member

Dr. Y. Miki
2011-09-16

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