





Member State of OIML Japan

R60/2000-JP1-13.01

## 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:

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 °C / 40 °C







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## Characteristics:

		Τ	U2S1-xx K-C3,	U2S1-xx T-C3,
Model designation			where xx equivalent to the <i>Emax</i>	Where xx equivalent to the <i>Emax</i> /1000
Accuracy class	Class	-	C	
Maximum number of load cell verification intervals	$n_{\max}$	_	3000	
Humidity symbol	***		СН	
Minimum dead load	$E_{min}$	kg	0	
Maximum capacity	$E_{\sf max}$	kg	200,250,500	1000,2000
Safe load limit	$E_{lim}$	kg	1.5* <i>Emax</i>	
Minimum verification interval	$v_{ m min}$	kg	Emax/10000	
Apportionment factor	$p_{ m LC}$		0.7	
Ratio of minimum LC Verification interval Y=Emax / vmin	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	$R_{ m LC}$	Ω	420±40	
Cable detail		-	6m 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):

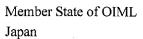
R60, edition 2000 (E) For accuracy class C

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.









OIML Certificate No. R60/2000-JP1-13.01

The Issuing Authority NMIJ/AIST

Dr. T. Nomakuch President of AIST 2013-03-26

The CIML member

Dr. Y. Miki

2013-03-26

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.