



Member State of OIML
Japan



OIML Certificate No
R60/2000-JP1-10.14
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: YAMATO SCALE CO., LTD.
Address: 5-22, Saenba-cho, Akashi, Hyogo, 673-8688, Japan

Manufacturer of the certified pattern

Name: YAMATO SCALE CO., LTD.
Address: 5-22, Saenba-cho, Akashi, Hyogo, 673-8688, Japan

Identification of the certified pattern:

Beam (bending) load cell
Type: UB1-500, UB1-1T, UB1-2T, QUB1-500, QUB1-1T, QUB1-2T
Fraction: $\pi=0.7$
Temperature range: $-10\text{ }^{\circ}\text{C} / 40\text{ }^{\circ}\text{C}$



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Characteristics:

Model designation			UB1-500 QUB1-500	UB1-1T QUB1-1T	UB1-2T QUB1-2T
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	500	1000	2000
Safe load limit	E_{lim}	kg	750	1500	3000
Minimum verification interval	v_{min}	g	50	100	200
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	-	6000		
Rated output		mV/V	1.8		
Excitation voltage		V DC	4 ~ 15		
Input impedance	R_{LC}	Ω	395 \pm 10		
Cable length (maximum)		m	5.0		

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. 10-16/R60:2000, that includes 19 pages.



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The Issuing Authority
NMIJ/AIST

The OIML member



Dr. T. Nomakuchi
President of AIST
2010-10-01

Dr. Y. Miki
2010-10-01

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