



Member State of OIML
Japan



OIML Certificate No.
R60/2000-JP1-11.05
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: A&D Company, Limited
Address: 3-23-14, Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013, Japan

Manufacturer of the certified pattern

Name: A&D Company, Limited
Address: 3-23-14, Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013, Japan

Identification of the certified pattern:

Beam (shear) load cell
Type: LCM19K500, LCM19T001, LCM19T1.5, LCM19T002
Fraction: $\pi=0.7$
Temperature range: $-10\text{ }^{\circ}\text{C} / 40\text{ }^{\circ}\text{C}$



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Characteristics:

Model designation			LCM19K500	LCM19T001	LCM19T1.5	LCM19T002
Accuracy class	Class	-	C			
Maximum number of load cell verification intervals	n_{max}	-	6000 4000 3000			
Humidity symbol			CH			
Minimum dead load	E_{min}	kg	0			
Maximum capacity	E_{max}	kg	500	1000	1500	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 $Y = E_{max} / v_{min}$	Y	-	10000			
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	Z	-	6000 in the case of $n_{max} = 6000$			
Rated output		mV/V	2			
Maximum excitation voltage		V AC/DC	15			
Input impedance	R_{LC}	Ω	380			
Cable detail		-	3m 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. 12-09/R60:2000, that includes 19 pages.



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The Issuing Authority
NMIJ/AIST



Dr. T. Nomakuchi
President of AIST
2012-05-21

The OIML member

Dr. Y. Miki
2012-05-21

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