Member State of OIML
Japan

National Institute of
Advanced Industrial Science
and Technology
AIST

OIML Certificate No
R60/2000-JP1-10.02
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 (sher) load cell

Type:	LCM13K500-C, LCM13T001-C, LCM13T1.5-C, LCM13T002-C, LCM13T003-C, LCM13T005-C
Fraction:	Pi=0.7
Temperature range	-10 ℃ / 40 ℃

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Characteristics:

Model designation			LCM13K 500-C	LCM13T 001-C	LCM13T 1.5-C	LCM13T 002-C	LCM13T 003-C	LCM13T 005-C
Accuracy class	Class	-	C					
Maximum number of load cell verification intervals	n_{max}	-	5000 4000 3000				3000	
Humidity symbol			CH					
Minimum dead load	E_{min}	kg	0					
Maximum capacity	E_{max}	kg	500	1000	1500	2000	3000	5000
Safe load limit	E_{lim}	kg	750	1500	2250	3000	4500	7500
Minimum verification interval	v_{min}	g	50	100	150	200	300	500
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	-	5000 in the case of n_{max}=5000				3000	
Rated output		mV/V	1.96					
Maximum excitation voltage		V AC/DC	15					
Input impedance	R_{LC}	Ω	380					
Cable length		m	3					
Cable details			4 conductor shielded Red : Excitation + White : Excitation − Yellow : Shield Green : Signal + Blue : Signal −					

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. R60/2000-JP1-10.02 and no. 10-24/R60:2000, that are consisted of 33 pages and 19 pages respectively.

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The Issuing Authority
NMIJ/AIST

Dr. T. Nomakuchi
President of AIST
2010-10-20

The CIML member

Dr. Y. Miki

2010-10-20

Important note: Apart from the mention of certificate's reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or the associated test report is not permitted, though they may be reproduced in full.