



Member State of OIML  
Japan



OIML Certificate No.  
R60/2000-JP1-12.05  
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. Ryoji Chubachi, 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: LCM17K200E , LCM17K300E , LCM17K500E ,  
LCM17T001E , LCM17T002E  
Fraction:  $\pi=0.7$   
Temperature range -10 °C / 40 °C



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Characteristics:

Model designation			LCM17 K200E	LCM17 K300E	LCM17 K500E	LCM17 T001E	LCM17 T002E
Accuracy class	Class	-	C				
Maximum number of load cell verification intervals	$n_{max}$	-	3000				
Humidity symbol			CH				
Minimum dead load	$E_{min}$	kg	0				
Maximum capacity	$E_{max}$	kg	200	300	500	1000	2000
Safe load limit	$E_{lim}$	kg	$1.5 * E_{max}$				
Minimum verification interval	$v_{min}$	kg	$E_{max} / 5000$				
Apportionment factor	$p_{LC}$		0.7				
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	$Y$	-	5000				
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	$Z$	-	3000				
Rated output		mV/V	0.98				
Maximum excitation voltage		V AC/DC	15				
Input impedance	$R_{LC}$	$\Omega$	390				
Cable detail		-	5m 5wire				

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. 12-11/R60:2000, and no. 14-02/R60:2000.



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The Issuing Authority  
NMIJ/AIST



Dr. R. Chubachi  
President of AIST  
2014-02-28

The OIML member

Dr. Y. Miki

2014-02-28

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.