Member State of OIML
Japan

National Institute of
Advanced Industrial Science
and Technology
AIST

OIML Certificate No.
R60/2000-JP1-11.09
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:	JFE Advantech Co., Ltd.
Address:	3-48 Takahata-cho, Nishinomiya, Hyogo 663-8202, Japan

Manufacturer of the certified pattern

Name:	JFE Advantech Co., Ltd.
Address:	3-48 Takahata-cho, Nishinomiya, Hyogo 663-8202, Japan

Identification of the certified pattern:

Compression load cell

Type:	HR II -20, HR II -30, HR II -50, HR II -100, HRIII-50, HRIII-80, IR-20, IR-30
Fraction:	Pi=0.7
Temperature range	-10 ℃ / 40 ℃

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Characteristics:

Model designation			HR II -xx where xx equal to the E_{max}	HR III -xx where xx equal to the E_{max}		IR -xx where xx equal to the E_{max}
Accuracy class	Class	-	C			
Maximum number of load cell verification intervals	n_{max}	-	3000, 4000, 5000			
Humidity symbol			CH			
Minimum dead load	E_{min}	kg	0			
Maximum capacity	E_{max}	t	20, 30, 50, 100	50, 80		20, 30
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	-	5000 in the case of n_{max}=5000			
Rated output		mV/V	2	in case, E_{max} =50 1.5	in case, E_{max} =80 1.6	1.5
Maximum excitation voltage		V DC	15			
Input impedance	R_{LC}	Ω	400			
Cable detail		-	11 m 4 wire	11 m 4 wire		in case, IR-20 9 m, 4 wire in case, IR-30 11 m, 4 wire

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. 11-11/R60:2000, that includes 19 pages.

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The Issuing Authority
NMIJ/AIST

Dr. T. Nomakuchi
President of AIST
2012-04-16

The CIML member

Dr. Y. Miki

2012-04-16

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.