Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-09.16

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

Name:	Physikalisch-Technische Bundesanstalt
Address:	Bundesallee 100, 38116 Braunschweig
Person responsible:	Dr. Panagiotis Zervos

Applicant

Name:	Keli Electric Manufacturing (Ningbo) Co. Ltd.
Address:	NO. 199 Changxing Road 315033 Ningbo, Jiangbei District China

Manufacturer of the certified type is the applicant.

Identification of the certified type	Strain gauge shear beam load cell Type: SQB-SS Further characteristics see page 2

This Certificate attests the conformity of the above identified type (represented by the sample or samples identified in the associated Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R60, edition 2000
for accuracy class C3

This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

This Certificate does not bestow any form of legal international approval.

R3-0033

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The conformity was established by the results of tests and examinations provided in the associated Test Report

No. 1.12-4041414-1 that includes 22 pages

The Issuing Authority **The CIML Member**

Dr. P. Zervos
Direktor und Professor

15.06.2009

Dr. R. Schwartz
Direktor und Professor

15.06.2009

The load cells (LC) of the series SQB-SS are shear beam load cells made of stainless steel. The strain gauge application is encapsulated hermetically.

The metrological characteristics for application in approved weighing instruments are listed in table 1.

Table 1: Essential data

Accuracy class			C3
Maximum number of load cell intervals	n_{LC}		3000
Rated output		mV/V	3
Maximum capacity	E_{max}	t	1 / 1.5 / 2 / 2.5 / 3 / 5
Minimum load cell verification interval	v_{min} = (E_{max} / Y)		E_{max} / 10000
Minimum dead load output return	DR = (½ E_{max} / Z)		½ E_{max} / 6000

Dead load: 0%·E_{max}; Safe overload: 150%·E_{max}; Input impedance: 400 Ω; Fraction: p_{LC} = 0.7

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