



# OIML Certificate of Conformity

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-13.13  
Project number 13200048  
Page 1 of 2

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Keli Sensing Technology (Ningbo) Co.,Ltd. No.199 of Changxing RD, Jiangbei district, Ningbo, P.R. China
Manufacturer	Keli Sensing Technology (Ningbo) Co.,Ltd. No.199 of Changxing RD, Jiangbei district, Ningbo, P.R. China
Identification of the certified type	A <b>shear beam load cell</b> , with strain gauges, Type : SQB
Characteristics	See next page

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

**OIML R60** - Edition 2000 (E) for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

*Important note:* Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**  
10 June 2013

C. Oosterman  
Head Certification Board

NMi Certin B.V.  
Hugo de Grootplein 1  
3314 EG Dordrecht  
the Netherlands  
T +31 78 6332332  
certin@nmi.nl  
www.nmi.nl

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see [www.nmi.nl](http://www.nmi.nl)).



**OIML Member State**  
The Netherlands

Number R60/2000-NL1-13.13  
Project number 13200048  
Page 2 of 2

The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. R60/2000-NL1-06.03 dated 22 February 2006 that includes 40 pages;
- No. NMI-11200809-05 dated 10 April 2012 that includes 27 pages;
- No. NMI-13200048-04 dated 6 June 2013 that includes 27 pages.

**Characteristics of the load cell:**

Maximum capacity ( $E_{max}$ )	150 kg up to and including 750 kg	1000 kg up to and including 5000 kg	7500 kg up to and including 20000 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2,00 ± 0,002 mV/V	3,00 ± 0,003 mV/V	
Maximum number of load cell intervals (n)	3000		
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000		
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000		
Input impedance	400 Ω ± 20 Ω		
Temperature range	-10 °C / +40 °C		
Fraction $p_{LC}$	0,7		
Humidity Class	CH		
Safe overload	150% of $E_{max}$		
Output impedance	352 Ω ± 3 Ω		
Recommended excitation	10 - 12 V AC/DC		
Excitation maximum	15 V AC/DC		
Transducer material	Alloy steel		
Atmospheric protection	Hermetically welded		

The characteristics for  $n_{max}$  and Y can be reduced separately. Z is proportional or equal to  $n_{max}$ .

Each produced load cell is provided with an accompanying document with information about its characteristics.