

OIML Member State
The Netherlands

Number R60/2000-A-NL-18.09
Project number 1902379
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	KOBASTAR ELEKTRONIK SAN. TIC. LTD.STI. Fevzi Cakmak Mh. Ayyildiz Cd. No:16/F Karatay 42050, Konya Turkey
Identification of the certified type	A shear beam load cell , with strain gauges. Type : SB
Characteristics	See next page

This OIML Certificate is issued under scheme A.

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 R 60 - 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.

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Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
14 June 2018



C. Oosterman
Head Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Test Reports:

- No. NMI-11200809-05 dated 10 April 2012 that includes 27 pages;
- No. NMI-13200048-04 dated 6 June 2013 that includes 27 pages.
- No. NMI-15200654-02 dated 11 December 2015 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	150 kg up to and including 750 kg	7500 kg up to and including 20000 kg	500 kg up to and including 2500 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2,000 ± 0,002 mV/V	3,000 ± 0,003 mV/V	
Maximum number of load cell intervals (n)	3000		4000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000		10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000		4000
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} , Y and Z can be reduced separately.

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