

**OIML Member State**  
The Netherlands

Number R60/2017-A-NL1-22.03  
Project number 3033883  
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Issuing authority

NMi Certin B.V.  
Person responsible: M.Ph.D. Schmidt

Applicant and  
Manufacturer

KOBASTAR ELEKTRONIK SAN. TIC. LTD.STI.  
Fevzi Cakmak Mah. Ayyildiz Cad. Elit San. Sit. No:103/A - 103/B  
KONYA  
Turkey

Identification of the  
certified type

A **bending beam load cell**, with strain gauges.  
Registered trade name : KOBASTAR ELEKTRONIK SAN. TIC. LTD.STI.  
Type : SBK

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 2017 (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**  
27 January 2022

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Report:

- No. NMI-3033883-01 dated 27 January 2022 that includes 50 pages.

## Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity ( $E_{max}$ )	50 kg up to and including 250 kg	
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,0 mV/V	
Maximum number of load cell intervals (n) <sup>(1)</sup>	3000	4000
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / V_{min}$	15000	
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	4000	
Input impedance	400 $\Omega \pm 20 \Omega$	
Temperature range	-10 °C / + 40 °C	
Fraction $p_{LC}$	0,7	
Humidity Class	NH	
Safe overload	150 % of $E_{max}$	
Output impedance	350 $\Omega \pm 5 \Omega$	
Recommended excitation	10 V AC / DC	
Excitation maximum	15 V AC / DC	
Transducer material	Stainless steel	
Atmospheric protection	Hermetically Welded	

### Remarks:

1. 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.

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the Utilizer Declaration:

- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.