OIML Certificate

OIML Member State
The Netherlands

Number R60/2000-A-NL1-18.10
Project number 1902379

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 **compression load cell**, with strain gauges, equipped with electronics, Type : TS-D, TS-DSS, TSC-D, TSC-DSS
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.

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
14 June 2018

C. Oosterman
Head Certification Board

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INSPECTION RvA I 122

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

- No. NMi-13200048-03 dated 21 January 2014 that includes 45 pages;
- No. NMi-13200048-03 revision 1 dated 27 January 2014 that includes 45 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	20000 kg up to and including 100000 kg
Minimum dead load	0 kg
Accuracy Class	C
Maximum number of load cell intervals (n)	5000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	5000
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,8
Humidity Class	CH
Safe overload	150% of E_{max}
Recommended excitation	10 V DC
Excitation maximum	18 V DC
Transducer material	Alloy steel and Stainless steel
Atmospheric protection	IP68
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$
Software identification	Version number: 2

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.