

OIML Member State
The Netherlands

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Project number 3893017
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Issuing authority

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

Applicant and
Manufacturer

BAYKON Endustriyel Kontrol Sistemleri San. Tic. A.S.
Tuzla Kimya Sanayicileri OSB, Organik Cad. No:31
Tuzla 34953
Istanbul, Turkey

Identification of the
certified type

A **compression load cell**, with strain gauges, equipped with electronics.
Registered trade name : BAYKON
Type : BR030SD / BR032SD & BR016D / BR016SD

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 60-1:2017 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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
12 December 2024

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated report:

- No. NMI-13200048-03 revision 1 dated 27 January 2014 that includes 45 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell
Maximum capacity (E_{max})	20 t up to and including 100 t
Minimum dead load	0 t
Accuracy Class	C
Maximum number of load cell intervals (n) ⁽¹⁾	5000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / v_{min}$	10000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	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

Remarks:

- 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.

Revision History

Revision	Date	Change(s)
0	2024-12-12	Initial issue.