

OIML Member State
The Netherlands

Number R60/2017-A-NL1-22.35 revision 0
Project number 3591751
Page 1 of 2

Issuing authority

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

Applicant and
Manufacturer

HİLAL BASKÜL TARTI ALETLERİ İNŞ. SAN. VE TİC. LTD.ŞTİ.
Yavuz Selim Mah. K.San.Sit. 74.Cad. No: 43/A
46080 Dulkadiroğlu/Kahramanmaraş
Turkey

Identification of the
certified type

A **compression load cell**, with strain gauges.
Type : HB-01

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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
8 November 2022

Certification Board

NMi Certin B.V.
Thijssseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

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Number R60/2017-A-NL1-22.35 revision 0
Project number 3591751
Page 2 of 2

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

- No. NMI-12200422-01 dated 16 October 2012 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	10000 kg up to and including 50000kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$ ⁽¹⁾	20000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$ ⁽¹⁾	3000
Input impedance	700 $\Omega \pm 7 \Omega$
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	703 $\Omega \pm 4 \Omega$
Recommended excitation	5-12 V AC/DC
Excitation maximum	18 V AC/DC
Transducer material	Alloy steel
Atmospheric protection	Hermetically welded

Remark:

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

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

Revision History

Revision	Date	Change(s)
0	2022-11-08	Initial issue.