

OIML Member State
The Netherlands

Number R60/2017-A-NL1-20.36
Project number 2538498
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Issuing authority	NMi Certin B.V. Person responsible: M. Boudewijns
Applicant and Manufacturer	Tuna Tarti ve Elektronik Sistemler Ltd. Sti. 1202/2 Sk. No.31/112 Halkapinar Mah Konak/Izmir TURKEY
Identification of the certified type	A compression load cell , with strain gauges. Type : TCT TCTA
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
28 September 2020

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. R60/2000-NL1-05.17A dated 11 October 2005 that includes 40 pages;
- No. R60/2000-NL1-05.17B dated 12 October 2005 that includes 37 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E_{max})	10000 kg up to and including 50000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2,0 mV/V \pm 0,002 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	3000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	10000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3000
Input impedance	400 $\Omega \pm$ 20 Ω for model TCTA 730 $\Omega \pm$ 30 Ω for model TCT
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	352 $\Omega \pm$ 2 Ω for model TCTA 705 $\Omega \pm$ 5 Ω for model TCT
Recommended excitation	10-12 V DC
Excitation maximum	15 V DC
Transducer material	Alloy steel
Atmospheric protection	Welded steel cover

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.