



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60/2000-NL1-16.40
Project number 16200617
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Tecsis Shenzhen Sensors Co., Ltd 102 Block B, Hytera Science and Technology Park No.3 Baolong 4 th Road, Longgang Dist. Shenzhen 518116 China
Identification of the certified type	A bending beam load cell , with strain gauges. Type : F3833
Characteristics	See next page

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 R60 - 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.

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Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
5 December 2016



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Head Certification Board

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

- No. NMI-16200617-01 dated 16 November 2016 that includes 27 pages.

Characteristics of the 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)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	8000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000
Input impedance	415 $\Omega \pm -65 \Omega$
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	350 $\Omega \pm 10 \Omega$
Recommended excitation	5 V AC / DC
Excitation maximum	12 V AC / DC
Transducer material	Stainless steel
Atmospheric protection	IP68

The characteristics for n_{max} and Y can be reduced separately.

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