

OIML Member State
The Netherlands

Number R60/2000-A-NL1-18.05
Project number 1901267
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Tecsis GmbH Carl-Legien Strasse 40 63073 Offenbach am Main Germany
Identification of the certified type	A tension load cell , with strain gauges, equipped with electronics, Type : TWLMS, F9205
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 D

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**
8 March 2018



C. Oosterman
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-1901267-01 dated 8 March 2018 that includes 71 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	6000 kg up to and including 25000 kg
Minimum dead load	0 kg
Accuracy Class	D
Maximum number of load cell intervals (n) ⁽¹⁾	175
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / v_{min}$	1000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	360
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,8
Humidity Class	CH
Safe overload	150 % of E_{max}
Recommended excitation	24 V DC
Excitation maximum	30 V DC
Transducer material	Stainless steel
Atmospheric protection	Silicon rubber and steel tube
Electromagnetic environment class	E3
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$
Software identification	Version number: 0004

Remark:

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.

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the Utilizer Declaration:

- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.