

OIML Member State
The Netherlands

Number R60/2000-NL1-15.11 revision 1
Project number 1901429
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Vishay Precision Transducers India Ltd. OZ-22 Hi-Tech SEZ Kancheepuram 602105 Tamil Nadu India
Identification of the certified type	A compression load cell , with strain gauges, equipped with electronics. Type : DSC2
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 R 60 - 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.

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**
29 August 2017



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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-14200254-02 revision 1 dated 28 August 2017 that includes 70 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	25 t up to and including 60 t
Minimum dead load	0 kg
Accuracy Class	C
Maximum number of load cell intervals (n) ⁽¹⁾	3200
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	25000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	7500
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,8
Humidity Class	CH
Safe overload	150 % of E_{max}
Recommended excitation	12 V DC
Excitation maximum	20 V DC
Transducer material	Stainless steel
Atmospheric protection	Welded seal
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$
Software identification ⁽²⁾	Version number: 1.00.01 Firmware number: 1.xx.xx

Remarks:

1. The characteristics for n_{max} , Y and Z can be reduced separately.
2. xx is a number between 00 and 99 representing updates of the non legally relevant part of the software.

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 MAA Declaration of Mutual Confidence:

- R 60 DoMC-01 rev.0, Additional requirements from the United States;
- R 60 DoMC-02 rev.0, Additional requirements from the United States.



OIML Certificate of Conformity

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Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
Initial	4 September 2015	-
1	29 August 2017	Name change of applicant and manufacturer both in this OIML Certificate of Conformity and in the relevant test report.