OIML Certificate of Conformity

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Vishay Precision Group – Transducers 26 Harokmim St. Holon, 5885849 Israel
Manufacturer	Vishay Precision Transducers India Ltd. OZ-22 Hi-Tech SEZ Kancheepuram 602105 Tamil Nadu India
Identification of the certified type	A **shear beam load cell**, with strain gauges. Type : 3422
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.

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** 15 March 2017 C. Oosterman Head Certification Board

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

- No. NMi-16200696-01 dated 2 March 2017 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	1000 kg up to and including 2500 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 $Y = E_{max} / v_{min}$	30000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3300
Input impedance	380 Ω ± 30 Ω or 1100 Ω ± 100 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	365 Ω ± 15 Ω or 1030 Ω ± 31 Ω
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Alloy steel
Atmospheric protection	IP67

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

Each produced load cell 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.

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Revision History

This revision replaces the previous version(s).

Revision	Date	Change(s)
Initial	3 March 2017	-
1	15 March 2017	Typing error in characteristics table for the input impedance and output impedance