

OIML Certificate of Conformity

OIML Member State The Netherlands Number R60/2000-NL1-17.09 Project number 16200589 Page 1 of 2

Issuing authority NMi Certin B.V. Person responsible: C. Oosterman Applicant and MinebeaMitsumi Inc. Manufacturer 1-1-1, Katase Fujisawa-shi, Kanagawa-ken 251-8531 Fujisawa Japan Identification of the A bending beam load cell, with strain gauges certified type Type M100 or PR77 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. NMi Certin B.V., OIML Issuing Authority Issuina 3 March 2017 Oosterman Head Certification Board NMi Certin B V This document is issued under the provision that no liability is Hugo de Grootplein 1 3314 EG Dordrecht accepted and that the applicant the Netherlands shall indemnify third-party liability. T+31 78 6332332 The notification of NMi Certin B.V. certin@nmi.nl as Issuing Authority can be verified www.nmi.nl at www.oiml.org



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 No. NMi-16200589-01 dated 2 March 2017 No. NMi-16200589-02 dated 2 March 2017 No. NMi-16200589-03 dated 2 March 2017 	that includes 46 p	bages;	
Characteristics of the load cell:	* * * * * * *	+ + + + + + + + + + + + + + + + + + + +	
Maximum capacity (E _{max})	10 kg up to 50 kg	50 kg up to 100 kg	100 kg up to and including 500 kg
Minimum dead load	+ + + + + + + + 0 kg + + + + + + +		
Accuracy Class	+ + + + + + + + + + + + + + + + + + +		
Rated Output	2,0 mV/V		
Maximum number of load cell intervals (n)	+ + 4000 + +	+ + + + + 600	0 + + + + +
Ratio of minimum LC Verification interval Y = E_{max} / v_{min}	+ + + + + + + + + + + +	20000	• • • • • • • • • •
Ratio of minimum dead load output return Z = E_{max} / (2 * DR)	6600	6300	7500
Input impedance	415 Ω ± 65 Ω		
Temperature range	-10 °C / + 40 °C		
Fraction p_{LC} + + + + + + + + + +	+ + + + + + + + 0,7 + + + + + + + +		
Humidity Class	СН		
Safe overload	150 % of E _{max}		
Output impedance + + + + + + + + +	+ + + + + 406 Ω ± 0,35 Ω + + + + +		
Recommended excitation	10 V AC / DC		
Excitation maximum	15 V AC / DC		
Transducer material	+ + + + + + + Stainless steel + + + + + +		
Atmospheric protection	Hermetically welded		
The characteristics for n _{max} and Y can be reduce Each produced load cell is provided with an ac characteristics. The above identified Type (represented by the found to comply with the additional national United States of America (NIST Handbook 44 a Declaration of Mutual Confidence: - R 60 DoMC-01 rev.0, Additional requireme - R 60 DoMC-02 rev.0, Additional requireme	companying docu sample(s) identif requirements esta and NCWM Publica ents from the Unit	ied in the OIML Test ablished by the ation 14), included i ed States;	Report) have beer