

## OIML Certificate of Conformity

**OIML Member State** The Netherlands Number R60/2000-NL1-17.55 Project number 1900957 Page 1 of 2

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	MinebeaMitsumi Inc.
Manufacturer	1-1-1, Katase Fujisawa-shi, Kanagawa-ken 251-8531 Japan
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+ Identification of the	A <b>bending beam load cell</b> , with strain gauges.
certified type	Type : M110 or PR79 M110T or PR79T
Characteristics	See next page
identified in the OIML	the conformity of the above identified Type (represented by the sample(s) Test Report) with the requirements of the following Recommendation of the ition of Legal Metrology (OIML):
	OIML R60 - Edition 2000 (E) for accuracy class C
+ instrument covered by	only to the metrological and technical characteristics of the type of measuring the relevant OIML International Recommendation above-identified.
OIML Member State in	from the mention of the Certificate's reference number and the name of the which the Certificate was issued, partial quotation of the Certificate and of est Report(s) is not permitted, although either may be reproduced in full.
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Issuing Authority	NMi Certin B.V., OIML Issuing Authority NL1 4 September 2017 C. Oosterman
	Head Certification Board
NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht the Netherlands T +31 78 6332332 certin@nmi.nl www.nmi.nl	This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability. The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org



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Characteristics of the load cell:		ages. + + + +	
Maximum capacity (E <sub>max</sub> )	91 kg up to 227 kg	227 kg up to 1134 kg	1134 kg up to and including 5099 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2,0 mV/V		
Maximum number of load cell intervals (n) $^{(1)}$ +		+ + + 3000+ + +	
Ratio of minimum LC Verification interval <sup>(1)</sup> Y = $E_{max} / v_{min}$	20000	18000	20000
Ratio of minimum dead load output return <sup>(1)</sup> Z = E <sub>max</sub> / (2 * DR)	· + + + + + + + + + + + + + + + + + + +	3000	* * * * * * *
nput impedance	1100 Ω ± 10 Ω		
Temperature range		-10 °C / + 40 °C	
Fraction p <sub>LC</sub> + + + + + + + + + + + +		+ + 0,7 + +	
Humidity Class	* * * * * *	сн + +	* * * * * *
Safe overload		150 % of E <sub>max</sub>	· · • • • • •
Output impedance + + + + + + + + +		1000 Ω ± 1 Ω	
ecommended excitation 10 V AC / DC			
Excitation maximum	15 V AC / DC		
Transducer material		Stainless steel	
Atmospheric protection	• + + + + + p	Hermetically welde	ed + + + + +