




OIML Certificate

OIML Member State
The Netherlands

Number R129/2020-A-NL1-25.01 revision 0
Project number 3467598
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Issuing authority

NMi Certin B.V.
Person responsible: M.Ph.D. Schmidt

 Applicant and
Manufacturer

Teraoka Seiko Co., Ltd.
13-12 Kugahara, 5-Chome
Ohta-Ku, Tokyo 146-8580
Japan

Identification of the
certified type

A Multi-Dimensional Measuring instrument

Type : SQ-2xxx, SQ-2xxxM,
SQ-3xxx, SQ-3xxxM

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 129:2020

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
10 March 2025

Certification Board

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The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on top of the electronic version of this certificate.



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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Reports:

- No. NMI-1900993-04 dated 30 May 2018 that includes 72 pages;
- No. NMI-1900993-05 dated 30 May 2018 that includes 20 pages;
- No. NMI-2618525-01 dated 11 October 2021 that includes 27 pages.

Characteristics of the multi-dimensional measuring instrument

Principle of operation		Cutting a light beam		
Maximum dimension		L (Length)	W (Width)	H (Height)
	type SQ-2xxx(M)	max ≤ 1530 mm	max ≤ 600 mm	max ≤ 920 mm
	type SQ-3xxx(M)		max ≤ 900 mm	
Minimum dimension		min ≥ 150 mm	min ≥ 100 mm	min ≥ 20 mm
Measuring range and scale interval	Single interval	d ≥ 5 mm		
	Multi-interval	d ≥ 5 mm		d ≥ 2 mm (H ≤ 30 mm) d ≥ 5 mm (H > 30 mm)
Speed range		30 m/min ≤ v ≤ 100 m/min		
Electromagnetic environment class		E2		
Mechanical environment class		M1		
Climatic environment	temperature range	0 °C / +40 °C		
	humidity	non-condensing		
	intended location	closed		
Power supply voltage		3x 200 V AC 50/60 Hz		
Method of operation		Automatic		
Limitations of use		Rectangular, triangle and trapezium opaque objects with regular surfaces. The object needs to be rectangular on the base plane of the instrument.		
Minimum spacing between successive objects		spacing ≥ 40 cm		



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Software identification		
Part	Software part	Firmware version (x = 0...9)
Display unit	SQMesSrv.exe	1.x.x.x or 2.x.x.x
	SPK_Mmlf.dll	1.x.x.x or 2.x.x.x
Conveyor	SH	1.xx
	N10	1.xx

The identification number will be displayed in the version menu that is accessible via entering the 'Maintenance Mode' at operation and accordingly touch the "Maintenance" button and accordingly touch the 'System' button. The version menu with the software versions can be entered by touching the 'Version' button.

Revision History

Revision	Date	Change(s)
0	10 March 2025	Initial issue.