OIML Certificate

Number R76/2006-A-NL1-21.26
Project number 2611561

OIML Member State
The Netherlands

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Manufacturer	Siemens AG Östliche Rheinbrückenstrasse 50 76187 Karlsruhe Germany
Identification of the certified type	An **Analog data processing device,** tested as a part of a weighing instrument. Type : SIWAREX WP251
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 76 - Edition 2006 for accuracy class (III) or (IIII)

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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
18 May 2021

Certification Board

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

- No. 1.12-4073499 dated 11 December 2015 that includes 14 pages;
- No. 1.12-4073499/1 dated 5 November 2014 that includes 39 pages;
- No. 1.12-4073499/2 dated 1 August 2012 that includes 14 pages;
- No. 1.12-4073499/2 dated 10 April 2015 that includes 8 pages;
- No. NMi-16200191-01 dated 25 July 2016 that includes 25 pages;
- No. NMi-2461342-01 dated 27 October 2020 that includes 36 pages.

Characteristics of the Analog data processing device:

Accuracy class OIML R 76		(III) or (IIII)
Weighing range(s)		Single interval Multi-interval Multiple range
Maximum number of scale intervals (one weighing range)		n ≤ 3000 divisions
Maximum number of scale intervals (multi-interval)		n ≤ 3000 (per partial weighing range)
Maximum number of partial weighing ranges		3
Maximum number of scale intervals (multiple range)		n ≤ 3000 (per weighing range)
Maximum number of weighing ranges		3
Tare		T ≤ -Max T ≤ +250% of Max
Load cell excitation voltage		4,85 V DC
Minimum signal input voltage		U_{min} = 0 mV
Minimum input voltage per verification scale interval		0,5 µV
Minimum load cell resistance		40 Ω
Maximum load cell resistance		4,05 kΩ or 1050 Ω[1]
Fraction of the maximum permissible error		0,4
Load cell connection		6-wire (remote sensing)
Maximum value of the cable length per cross wire section between the analog data processing device and the junction box or load cells		666 m/mm^2 (for example 500 m with cross wire section of 0,75 mm^2)
Climatic environment	temperature range	-10 °C / +40 °C
	humidity	non-condensing
	intended location	Closed

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Electromagnetic environment class	E2
Power supply voltage	24 V DC mains
Software identification	Version number: V1.x.x, V2.x.x or V4.x.x (x = 00 … 99)

Remark:

1. For instruments with functional state 08 or higher.