



# OIML Certificate of Conformity

**OIML Member State**  
The Netherlands

Number R76/2006-NL1-16.49  
Project number 15200574  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	SysTec Systemtechnik und Industrieautomation GmbH Ludwig-Erhard-Strasse 6 D-50129 Bergheim-Glessen Germany
Identification of the certified type	An Indicator, Analog data processing device or Terminal Type : IT1 / IT3 series
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 R 76** - Edition 2006 for accuracy class  $\textcircled{\text{III}}$   $\textcircled{\text{III}}$

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**  
25 August 2016

  
C. Oosterman  
Head Certification Board

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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](http://www.oiml.org)



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

- No. NMI-13200671-01 dated 24 July 2014 that includes 57 pages;
- No. NMI-14200392-01 dated 19 September 2014 that includes 32 pages;
- No. NMI-15200574-01 dated 22 July 2016 that includes 32 pages;
- No. NMI-15200574-02 dated 22 July 2016 that includes 16 pages.

**Characteristics of the indicator:**

Configuration	Analog load cells	Digital load cells or weighing module
Accuracy class OIML R 76	III or IIII	
Weighing range(s)	Single interval Multi-interval Multiple range	Single interval Multi-interval Multiple range
Maximum number of scale intervals (one weighing range)	$n \leq 10000$ divisions	-
Maximum number of scale intervals (multi-interval)	$n \leq 10000$ divisions (per partial weighing range)	-
Maximum number of partial weighing ranges	3	-
Maximum number of scale intervals (multiple range)	$n \leq 10000$ divisions (per weighing range)	-
Maximum number of weighing ranges	3	-
Load cell excitation voltage	5 V square wave	-
Load cell power supply	-	12 V DC
Minimum input voltage per verification scale interval	0,33 $\mu$ V	-
Minimum load cell resistance	43 $\Omega$	-
Maximum load cell resistance	3,3 k $\Omega$	-
Fraction of the maximum permissible error	0,5	0
Load cell connection	Remote sensing on both 6-wire and 4-wire load cells	-
Maximum value of the cable length per cross wire section between the instrument and the junction box or load cells	202 m/mm <sup>2</sup>	-
Maximum number of load platforms	2	2



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Climatic environment	temperature range	-10 °C / +40 °C
	humidity	non-condensing
	intended location	Closed
Mechanical environment class		M3
Electromagnetic environment class		E2
Power supply voltage		110 – 240 V AC 50/60 Hz 24 V DC (not suitable for a road vehicle power supply)
Software identification		Checksum: 15487782