



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R76/2006-NL1-16.57
Project number 15200574
Page 1 of 3

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 **(III)** or **(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**
23 September 2016


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



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 revision 1 dated 16. September 2016 that includes 17 pages;
- No. NMI-15200574-04 dated 16. September 2016 that includes 21 pages.

Characteristics of the indicator:

Configuration	Analog load cells	Digital load cells or weighing module
Accuracy class OIML R 76	III or IIII	Matching the accuracy class of the digital load cell or weighing module
Weighing range(s)	Single interval Multi-interval Multiple range	Single interval Multi-interval Multiple range
Maximum number of scale intervals (one weighing range)	$n \leq 10000$ without tilt compensation $n \leq 3000$ with tilt compensation	-
Maximum number of scale intervals (multi-interval)	$n \leq 10000$ without tilt compensation $n \leq 3000$ with tilt compensation (per partial weighing range)	-
Maximum number of partial weighing ranges	3	-
Maximum number of scale intervals (multiple range)	$n \leq 10000$ without tilt compensation $n \leq 3000$ with tilt compensation (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 μ V	-
Minimum load cell resistance	43 Ω	-
Maximum load cell resistance	3,3 k Ω	-



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R76/2006-NL1-16.57
Project number 15200574
Page 3 of 3

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 ²	-
Maximum number of load platforms	2	2
Climatic environment	temperature range	-10 °C / +40 °C
	humidity	non-condensing
	intended location	Closed
Mechanical environment class	M3	
Electromagnetic environment class	E3	
Power supply voltage	110 – 240 V AC 50/60 Hz External power supply 12 – 30 V DC Vehicle battery power supply 12 – 30 V DC	
Software identification	Checksum: 15487782	