



# OIML Certificate of Conformity

**OIML Member State**  
The Netherlands

Number R76/2006-NL1-14.33  
Project number 13200671  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	System Technik und Industrieautomation GmbH Ludwig-Erhard-Strasse 6 D-50129 Bergheim-Glessen Germany
Identification of the certified type	An <b>Indicator</b> or <b>Analog data processing device</b> Type : ITx000E-....., ITx000ET-....., ITx000M-..... (x=3, 4, 6 or 8)
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** and **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**  
24 July 2014

  
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)

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see [www.nmi.nl](http://www.nmi.nl)).



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 58 pages;
- No. NMI-13200671-02 dated 24 July 2014 that includes 10 pages;
- No. NMI-13200671-03 dated 24 July 2014 that includes 41 pages;
- No. NMI-13200671-04 dated 24 July 2014 that includes 7 pages;
- No. NMI-13200671-05 dated 24 July 2014 that includes 11 pages.

**Characteristics of the indicator / analog data processing device:**

Accuracy class	III and III (OIML R 76)	
Configuration	without zener barriers	with zener barriers
Maximum number of verification scale intervals	10000	6200
Load cell excitation voltage	5 V square wave	4,1 V (without load) square wave
Minimum input voltage per verification scale interval	0,33 $\mu$ V	0,66 $\mu$ V
Minimum load cell resistance	43 $\Omega$	87,5 $\Omega$
Maximum load cell resistance	3,3 k $\Omega$	
Fraction of the maximum permissible error	0,5	
Load cell connection	6-wire (remote sensing) or 4-wire	
Maximum value of the cable length per cross wire section between the indicator/ADPD and the junction box or load cells	202 m/mm <sup>2</sup>	No special cable length
	4-wire: load cells connected directly	
Weighing range(s)	Single interval multi-interval Multiple range	
Maximum (partial) weighing ranges	3	
Maximum number of load platforms	8	4
Temperature range	-10 °C / +40 °C	
Power supply voltage	110 – 240 V AC 50/60 Hz, or 12 - 30 V DC, or 24 V DC vehicle battery	
Software identification	Checksum: 15487782	