OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R129/2000-NL1-16.04
Project number 16200269
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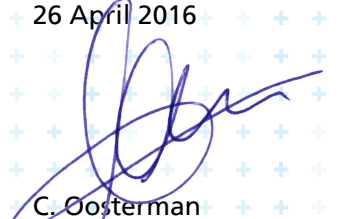|	
Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	VITRONIC Dr.-Ing. Stein Bildverarbeitungssysteme GmbH Hasengartenstraße 14 65189 Wiesbaden Germany
Identification of the certified type	A **Multi-Dimensional Measuring instrument** Type : VIPAC D2-CCLS VIPAC D2-CNLS
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 129 - Edition 2000

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** 26 April 2016 C. Oosterman Head Certification Board

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INSPECTION
RvA I 122

The conformity was established by the results of tests and examinations provided in the associated OIML Test Reports:
- No. R129/2000-DE1-09.02 dated 17 September 2007 that includes 65 pages;
- No. NMi-14200363-01 dated 1 February 2016 that includes 34 pages;
- No. NMi-16200269-03 dated 21 April 2016 that includes 18 pages.

Characteristics of the multi-dimensional measuring instrument

Principle of operation	reflection of light
Measuring range(s)	single interval
Speed range	0,5 m/s $\leq$ v $\leq$ 3,0 m/s
Electromagnetic environment class	E2
Mechanical environment class	M2
Climatic environment — temperature range	0 °C / +40 °C
Climatic environment — humidity	non-condensing
Climatic environment — intended location	closed
Power supply voltage	230 V AC 50/60 Hz
Method of operation	automatic

Specifications for model VIPAC D2-CCLS:

Maximum dimensions		Length [1]	Width	Height
		max $\leq$ 2500 mm	max $\leq$ 1500 mm	max $\leq$ 1000 mm
Minimum dimension	sensor array [2]	min $\geq$ 50 mm	min $\geq$ 50 mm	min $\geq$ 50 mm
	single sensor [2]	min $\geq$ 100 mm	min $\geq$ 50 mm	min $\geq$ 50 mm
Scale interval	sensor array [2]	d $\geq$ 5 mm	d $\geq$ 5 mm	d $\geq$ 5 mm
	single sensor [2]	d $\geq$ 10 mm	d $\geq$ 5 mm	d $\geq$ 5 mm
Limitations of use		rectangular, opaque, objects with regular surfaces, objects with cubical shapes		
Minimum spacing between successive objects		spacing $\geq$ 50 mm		

[1]   Length is the dimension of the object that is most parallel to moving direction.
[2]   Displacement transducer configuration

Specifications for model VIPAC D2-CNLS:

Maximum dimensions	Length [3]	Width	Height
	max ≤ 2500 mm	max ≤ 1500 mm	max ≤ 1000 mm
Minimum dimension	min ≥ 100 mm	min ≥ 100 mm	min ≥ 100 mm
Scale interval	d ≥ 10 mm	d ≥ 10 mm	d ≥ 10 mm
Scale interval	rectangular, opaque, objects with regular surfaces, objects with irregular shapes All sides of irregular objects that touch the smallest rectangular box which fully encloses the object with at least one edge, must be fully visible to the sensor, with the exception of the side that faces downwards.		
Minimum spacing between successive objects	spacing ≥ 50 mm		

[3] Length is the dimension of the object that is most parallel to moving direction.

Software file / module	Software identification
VIPAC_D2-Kernel.exe	Checksum: AF20 (version number 3.0.11.81), or Checksum: 479C (version number 3.0.13.95)
VIPAC_D2.dll	Checksum: ED8E (version number 3.0.11.81), or Checksum: 2BDC (version number 3.0.13.95)
ViLogger.exe [4]	Checksum: 2D2F (version number 2.05.011)
ViLoggerViewerGUI.exe [4]	Checksum: 3636 (version number 2.05.011)
LM400-2000 sensor	Version number: 2.50

[4] Only if ViLogger2 is used.

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Alternatively VILogger3 software can be used instead of the above-mentioned software. Software identification:

Program module	Checksum
EXEFile	6A2C
COREFile	3434
PLGCUST_Universal.dll	61C3
PLGCUST_ViPacStd.dll	11B1
PLGIOACETcp.dll	6DC0
PLGIONamedPipe.dll	2013
PLGIOSerial.dll	ADFE
PLGSRC_ViPacDim.dll	C6B5
PLGSRC_MettlerScale.dll	37B1
PLGSRC_WipotecML.dll	831F
PLGSRC_WipotecSDAE.dll	C3A7
PLGGUI_DataInquiry.dll	23FC