

**OIML Member State**  
The Netherlands

Number R129/2000-NL1-15.01  
Project number 15200081  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Datalogic Automation Srl Via Lavino no. 265 40050 Monte San Pietro Italy
Identification of the certified type	A <b>Multi-Dimensional Measuring instrument</b> Type : DM3610-....
Characteristics	See next page

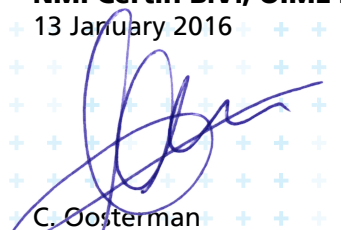
This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**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.  
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Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**  
13 January 2016



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

- No. NMI-13200217-01 dated 6 August 2013 that includes 64 pages;
- No. NMI-13200730-01 dated 30 April 2014 that includes 30 pages;
- No. NMI-15200081-01 dated 16 December 2015 that includes 35 pages.

### Characteristics of the multi-dimensional measuring instrument

Characteristics for all models:

Measuring range(s)	Single interval		
	Length	Width	Height
Maximum dimension	incremental encoder	see following tables	
	PGD100 with sensor array	1800 mm	
Maximum conveyor speed	$v_{\max} \leq 3,15$ m/s		
Electromagnetic environment class	E2		
Mechanical environment class	M3		
Climatic environment	temperature range	-10 °C / +40 °C	
	humidity	non-condensing	
	intended location	closed	
Power supply voltage	22,5 – 26,5 V DC		
Method of operation	Automatic		

Characteristics for models DM3610-1200:

Maximum dimension	Length	Width	Height
	max $\leq$ 2500 mm	max $\leq$ 1200 mm	max $\leq$ 900 mm
Minimum dimension	min $\geq$ 50 mm	min $\geq$ 50 mm	min $\geq$ 50 mm
Scale interval d	d $\geq$ 5 mm	d $\geq$ 5 mm	d $\geq$ 5 mm
Limitations of use	rectangular and opaque objects		
Minimum spacing between successive objects	spacing $\geq$ 20 mm single objects in the measurement area		
Software identification (measurement head version 1.4) <sup>1</sup>	DSP software	9769FD1C96438C5AB910F725545FFDB3	
	FPGA software	61A92F0F152949924F17152E063A9236	
	LFT library	94092F384948235EB4E70E30667D8991	

<sup>1</sup> Model DM3610-1200 can also use measurement head software versions 1.5, 1.6 or 1.7, in that case the corresponding identification will be displayed, the limitations of use do not change.

Characteristics for models DM3610-2200:

Maximum dimension	Length	Width	Height
	max ≤ 2500 mm	max ≤ 1200 mm	max ≤ 900 mm
Minimum dimension	min ≥ 50 mm	min ≥ 50 mm	min ≥ 50 mm
Scale interval d	d ≥ 5 mm	d ≥ 5 mm	d ≥ 5 mm
Limitations of use	rectangular and opaque objects		
Minimum spacing between successive objects	spacing ≥ 0 mm (touching) single objects or multiple objects simultaneously in the measurement area		
Software identification (measurement head version 1.5) <sup>2</sup>	DSP software	305BED285D4E48F30701374A32ECEA96	
	FPGA software	80DBC646A9232FC00E385CC0E26E10FE	
	LFT library	A4244AF0ADD423EF3E5F7DB14CF09A3E	

<sup>2</sup> Model DM3610-2200 can also use measurement head software version 1.6 or 1.7, in that case the corresponding identification will be displayed, the limitations of use do not change.

Characteristics for models DM3610-3200:

Maximum dimension	Length	Width	Height
	max ≤ 2500 mm	max ≤ 1200 mm	max ≤ 900 mm
Minimum dimension	min ≥ 50 mm	min ≥ 50 mm	min ≥ 50 mm
Scale interval d	d ≥ 5 mm	d ≥ 5 mm	d ≥ 5 mm
Limitations of use	rectangular opaque and irregular objects		
Minimum spacing between successive objects	≥ 25 mm		
Software identification (measurement head version 1.6)	DSP software	2ED5F1A33D0D50CE8919FF11D58263A7	
	FPGA software	060ECB51C9D955E6B4A948D081BBD2C8	
	LFT library	B446D385DF0F114E50BD688B2ED583C3	
Software identification (controller PC version 1.0)	Cube3610	4e6d88b94ad9b87918dcfd7e06152499	
	MCM	eddfbb285f438ce31cb1554d563fe939	
	DimModule Library	de98b905fb95c7750858f39efa95169f	
	LftParamUtil	4bbc7c8a7ae41f20fbba5998b9f5b518	

Characteristics for models DM3610-3200:

Maximum dimension	Length	Width	Height
	max ≤ 2500 mm	max ≤ 1200 mm	max ≤ 900 mm
Minimum dimension	min ≥ 50 mm	min ≥ 50 mm	min ≥ 50 mm
Scale interval d	d ≥ 5 mm	d ≥ 5 mm	d ≥ 5 mm
Limitations of use	rectangular opaque and irregular objects		
Minimum spacing between successive objects	≥ 25 mm		
Software identification (measurement head version 1.7)	DSP software	2ED5F1A33D0D50CE8919FF11D58263A7	
	FPGA software	A1DF019DD27291700918BB30EC9CC344	
	LFT library	CA0F6B1978432C13AA6DB1F47D43DF5F	
Software identification (controller PC version 1.1)	Cube3610	0877c44162b68891ee25827634be98b6	
	MCM	d77305fc7c9a421787a9d4aa3c21372f	
	DimModule Library	a56aea4865cca3715527ec51f5fe025c	
	LftParamUtil	5de0d9990f0e92f26de81fe148a723b8	

Characteristics for models DM3610-3200:

Maximum dimension	Length	Width	Height
	max ≤ 2500 mm	max ≤ 1200 mm	max ≤ 900 mm
Minimum dimension	min ≥ 50 mm	min ≥ 50 mm	min ≥ 50 mm
Scale interval d	d ≥ 5 mm	d ≥ 5 mm	d ≥ 5 mm
Limitations of use	rectangular opaque and irregular objects		
Minimum spacing between successive objects	≥ 25 mm		
Software identification (measurement head version 1.7)	DSP software	2ED5F1A33D0D50CE8919FF11D58263A7	
	FPGA software	B4932BB6A16446E0356693A8F3427312	
	LFT library	DACFBC69E3EFF6855B706C6611FA61F7	
Software identification (controller PC version 1.1)	Cube3610	de703fb794f2b57b3235830d362c3ffa	
	MCM	d77305fc7c9a421787a9d4aa3c21372f	
	DimModule Library	2b69d3a73baef22bca09d0bf58fa7f9d	
	LftParamUtil	78405b7061965028c2f9d0734f052f7b	



# OIML Certificate of Conformity

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Characteristics for models DM3610-4200:

Maximum dimension	Length	Width	Height
	max ≤ 2500 mm	max ≤ 1600 mm	max ≤ 1000 mm
Minimum dimension	min ≥ 50 mm	min ≥ 50 mm	min ≥ 50 mm
Scale interval d	d ≥ 5 mm	d ≥ 5 mm	d ≥ 5 mm
Limitations of use	rectangular opaque and irregular objects		
Minimum spacing between successive objects	≥ 25 mm		
Software identification (measurement head version 1.7)	DSP software	2ED5F1A33D0D50CE8919FF11D58263A7	
	FPGA software	B4932BB6A16446E0356693A8F3427312	
	LFT library	DACFBC69E3EFF6855B706C6611FA61F7	
Software identification (controller PC version 1.1)	Cube3610	de703fb794f2b57b3235830d362c3ffa	
	MCM	d77305fc7c9a421787a9d4aa3c21372f	
	DimModule Library	2b69d3a73baef22bca09d0bf58fa7f9d	
	LftParamUtil	78405b7061965028c2f9d0734f052f7b	