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Part 3: Test Report Format

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☐

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TITLE OF THE CD (English):

OIML R 129-3

**Multi-dimensional measuring instruments**

**Part 3: Test Report Format**

TITRE DU CD (French):

OIML R 129-3

**Instruments de mesure multidimensionnels**

**Partie 3: Format de Rapport pour l'examen de type**

Original version in: English



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FOREWORD

The International Organization of Legal Metrology (OIML) is a worldwide, intergovernmental organization whose primary aim is to harmonize the regulations and metrological controls applied by the national metrological services, or related organizations, of its Member States.

The two main categories of OIML publications are:

- **International Recommendations (OIML R)**, which are model regulations that establish the metrological characteristics required of certain measuring instruments and which specify methods and equipment for checking their conformity; the OIML Member States shall implement these Recommendations to the greatest possible extent;
- **International Documents (OIML D)**, which are informative in nature and intended to improve the work of the metrological services.

OIML Draft Recommendations and Documents are developed by technical committees or subcommittees which are formed by the Member States. Certain international and regional institutions also participate on a consultation basis.

Cooperative agreements are established between OIML and certain institutions, such as ISO and IEC, with the objective of avoiding contradictory requirements; consequently, manufacturers and users of measuring instruments, test laboratories, etc. may apply simultaneously OIML publications and those of other institutions.

International Recommendations and International Documents are published in French (F) and English (E) and are subject to periodic revision.

This publication – reference OIML R 129-3, Edition 20xx – was developed by Project Group 1 of OIML TC 7/SC 5 *Dimensional Measuring Instruments*. It was approved for final publication by the International Committee of Legal Metrology in 20xx and will be submitted to the International Conference of Legal Metrology in 20xx for formal sanction.

OIML publications may be downloaded from the OIML website in the form of PDF files. Additional information on OIML Publications may be obtained from the Organization's headquarters:

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**Multi-dimensional measuring instruments**  
**Part 3 - Test Report Format for Type Evaluation**

**EXPLANATORY NOTES TO THE TEST REPORT FORMAT****General**

This Test report format, which is informative with regard to the implementation of OIML Recommendation R 129 in national regulations, presents a standardized format for the results of the various tests and examinations to which a [type](#) of a multi-dimensional measuring instrument shall be submitted with a view to its approval. The tests are listed in Annex A of this International Recommendation.

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It is recommended that all metrology services or laboratories evaluating [types](#) of multi-dimensional measuring instruments according to OIML R 129 or to national or regional regulations based on OIML R 129 use this Test report format, directly or after translation into a language other than English or French.

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It is also recommended that this Test report format in English or in French (or in both languages) be transmitted by the country performing these tests to the relevant authorities of another country, under bi- or multi-lateral cooperation agreements.

In the framework of the OIML Certificate System for Measuring Instruments, use of the Test report format is mandatory.

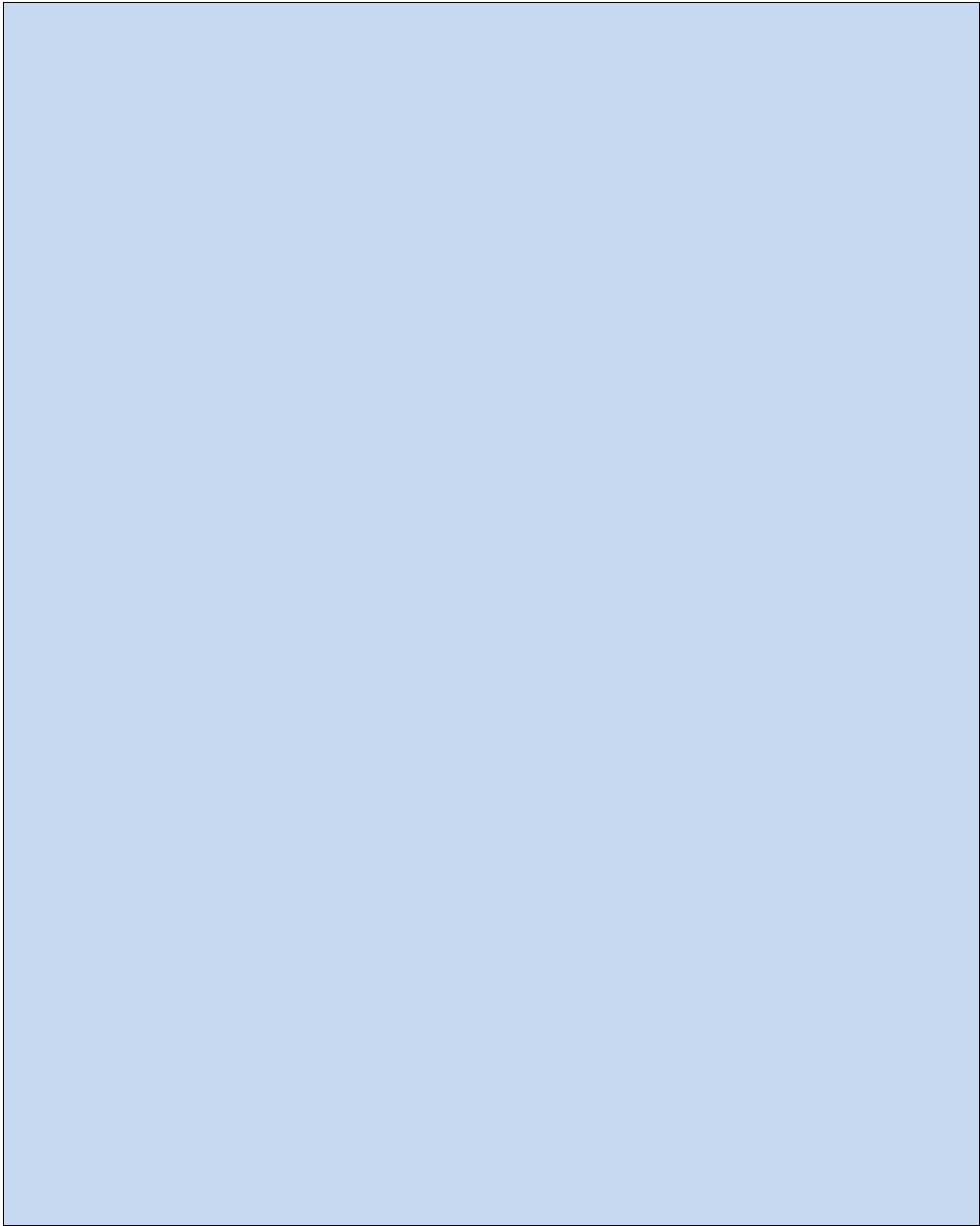
**Page numbering**

In addition to the sequential numbering at the bottom of each page, a space has been left at the top of each page (starting on page 27) for numbering the pages of reports established following this model. In particular, each test is reported individually on a separate page following the relevant format.

Where required, these forms can be copied and used several times in cases where the test in question has to be repeated under varying conditions.

For a given report, it is advisable to complete the sequential numbering of each page by indicating the total number of pages in the report.

COVER PAGE BY ISSUING AUTHORITY (NATIONAL RESPONSIBLE BODY)



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1. General Information					
1.1 Multi Dimensional Measuring Instruments					
Application					
Report Number					
Applicant Information					
Organisation Name					
Address					
Phone					
E-mail					
Instrument to be tested					
Manufacturer					
Model					
Additional Details					
Authority Responsible for this report					
Organisation					
Address					
Report Number					
Application Number					
Testing period					
Report Issue date					
Approver (Please print)					
Approver (Signature)					
Stamps (If applicable)					
Synopsis of the Test Result					
The test sample fulfills/does not fulfill ALL the requirements as detailed in OIML R129 (20xx)					
Pass/Fail					



1.2. Guidance for Testing laboratories			
Fill a new form for each new lab performing the test(s)			
Organisation Name			
Address			
Application Number			
Test(s) performed by this laboratory			
Test Period			
Lab Accreditation		Expiry	
Accrediting Authority			
Accreditation inclusive of OIML R 129		(Yes/No)	
Reference standards inclusive of measuring instruments			
Details if any of the tests have been performed at a location other than Lab premises			
Person performing the tests			
Name (Please Print)			
Signature		Date	
Authorised Signatory			
Name (Please Print)			
Signature			
Stamps (if applicable)			
Comments			

1.3. General information concerning type			
Description of the instrument			
(Key technical characteristics and intended application)			
Information displayed on the instrument			
Manufacturer Trademark			
Year of manufacture			
Type designation			
Model Number for type (if appl)			
Electrical Power Marking			
Software i.d (if appl)			
Other visible marking (if any)			
Comments			
Information about sample units			
Serial Number	Model Number	Manufacture mode (prototype/production)	Year
(Add additional rows if required)			
Comments			
Relevant internal/external photographs or information pertaining to examinations			

1.4. Information on accessories supplied by applicant									
Batteries (if applic)	Type			Vnom			No. required		
Data Printer (if applic)									
External data storage (if applic)									
Cables									
Other Accessories									
Information on sample instruments									
( In case the tests and evaluation are valid for more versions, give full details of the types, versions, measuring ranges, etc.)									
Justification for the selection of sample units									
Adjustments and Modifications made to the EUT during testing									
Details of previous results taken into account									

1.5. Information on the submitted calibrations									
Calibration principle									
Calibration number		GT1		GT2		etc*			
Version number:									
Displayed name:									
Date submitted:									
Regression information -									
Approx number of data points:									
Data sources, date range									
Reference method(s):									
Other validation result (e.g. SD, SEP)									
Default slope (if applic):									
Default bias (if applic):									
Other characteristic:									
*Copy table into additional pages if more than two calibrations are submitted for examination									
Comments:									
Additional information (e.g. connection equipment, interfaces, etc.)									

1.6. Documentation supplied by applicant									
Date received		Document title and/or reference number			Description (include version number if applicable)				
Insert rows as required									

1.7. EXPLANATORY NOTES TO THE TEST REPORT

Symbols used in this report

L = Indicated length  
W = Indicated width  
H = Indicated height  
L<sub>T</sub> = Length of the test object  
ΔL = Error, L - L<sub>T</sub>  
W<sub>T</sub> = Width of the test object  
ΔW = Error, W- W<sub>T</sub>  
H<sub>T</sub> = Height of the test object  
ΔH = Error, H- H<sub>T</sub>  
MPE = Maximum permissible error  
V = the volume indicated on the instrument  
V<sub>calc</sub> = L x W x H  
F = conversion factor  
DW = dimensional weight indicted on the instrument  
DW<sub>calc</sub> = V x F  
SF = significant fault

Template for completing the SUMMARY OF TEST EVALUATION and the CHECKLIST for each test:

	Pass	Fail	Remarks
When instrument has passed the test	X		
When instrument has failed the test		X	
When the test is not applicable	/	/	

The blank spaces in the headings of the report shall be filled according to the following example (where applicable):

	At start	At end
Temp (°C)		
RH (%)		
Time		
Sound (dB)		
Light (lx)		
Date		

Where:  
Temp = Temperature (in °C)                      Sound = Sound (in decibels)  
RH = Relative Humidity (in %)                      Light = Luminous flux (in lx)

"Date" in the test report refers to the date (dd/mm/yyyy) on which the test was performed.  
Numbers in the brackets generally refer to the corresponding clauses and/ or subclauses of OIML R129, unless otherwise specified.  
The name(s) or symbol(s) of the unit(s) used to express each test result shall be specified in each test form.  
"ID" refers to the identity of the test object used (eg. Unique identifying number) and is entered in the appropriate columns as required.

2. Type Evaluation Tests					
2.1. SUMMARY OF TYPE EVALUATION					
Report No.:					
Application No.:					
Manufacturer:					
Make & Model:					
Section	Test	Report Page	Pass	Fail	Remarks
2.2	Warm-up time test (A.1.1)				
2.3	Static Temperature test (A.2.2)				
2.3.1	Initial reference temperature = °C				
2.3.2	(A.2.2.1) Dry Heat= °C				
2.3.3	(A.2.2.2) Cold= °C				
2.3.4	End reference temperature= °C				
2.4	Damp Heat steady state test (A.2.3)				
2.4.1	Initial reference temperature and 50% relative humidity				
2.4.2	High temperature and 85% relative humidity				
2.4.3	End reference temperature and 50% relative humidity				
2.5	AC Power variation test (A.2.4)				
2.5.1	Nominal voltage				
2.5.2	Nominal voltage + 10%				
2.5.3	Nominal voltage - 15%				
2.6	Battery voltage variation test (A.2.5)				
2.6.1	Nominal voltage				
2.6.2	Low voltage				
2.7	Short time power reduction test (A.3.1)				
2.8	Electrical bursts test (A.3.2)				
2.8.1	Power supply lines				
2.8.2	Input/output control circuits and communication lines				
2.9	Electrical discharge test (A.3.3)				
2.9.1	Direct application				
2.9.2	Indirect application				
2.9.3	Additional Sheet				
2.10	Electrical Surges (A.3.4)				
2.10.1	Electrical surges on mains power lines (A.3.4.1)				
2.10.2	Electrical surges on signal, data and control lines (A.3.4.2)				
2.11	Electromagnetic susceptibility test (A.3.5)				
2.11.1	Radiated RF electromagnetic fields (A.3.5.1)				
2.11.2	Conducted RF electromagnetic fields (A.3.5.2)				
2.11.3	Additional Sheet				
2.12	Ambient light test (A.4.1)				
2.12.1	200 lx to 500 lx (reference)				
2.12.2	100 lx				
2.12.3	1000 lx to 15000 lx				
2.12.4	.....lx				
2.12.5	Additional Sheet				
2.13	Acoustic test (A.4.2)				
2.13.1	Reference sound level (.....dB)				
2.13.2	Sound Level 100 dB				
2.13.3	Additional Sheet				
2.14	Shape of the object (A.1.6, 6.1.4.2, B.2)				
2.15	Uniform surface colour test (A.1.6, 6.1.4.9, B.3.1)				
2.16	Non uniform surface colour test (A.1.5, 6.1.4.9, B.3.2)				
2.17	Contrast of colour with background colour test (A.1.5, 6.1.4.9, B.3.3)				
2.18	Surface reflectivity and absorption of sound test (A.1.5, 6.1.4.9, B.3.4)				
2.19	Surface reflectivity and absorption of colour test (A.1.5, 6.1.4.9, B.3.5)				
2.2	Uniformity of density test (A.1.5, 6.1.4.9, B.3.6)				
2.21	Transparency test (A.1.5, 6.1.4.9, B.3.7)				
2.22	Surface roughness test (A.1.5, 6.1.4.9, B.3.8)				
2.23	Protrusions on the surface test (A.1.5, 6.1.4.5, B.3.9)				
2.24	Orientation and position test (A.1.5, 6.1.4.6, B.4)				
2.25	Spced of relative movement test (A.1.5, 6.1.4.7)				
2.25.1	Minimum speed				
2.25.2	Maximum speed				
2.26	Examination of the construction of the instrument (5.1.2)				
2.27	Checklist				
OVERALL RESULT					

2.2 Warm -Up Time test (A.1.1)									
Observer:					General comments on test:				
Type/ application #:									
Instrument 1 ID:									
Instrument 2 ID:									
		Not warm	Warm						
Ambient temp (t):				°C					
Ambient RH:				%					
Date commenced:				ddmmyyyy					
Time commenced:				hh:mm					
Instrument 1, close to minimum dimensions				Instrument ID					
Length =		Width =		Height =					
unit=		unit=		unit=					
Instrument 2, close to maximum dimensions				Instrument ID					
Length =		Width =		Height =					
unit=		unit=		unit=					
Instrument 1 (close to minimum dimensions)				Instrument ID					
Time	Initial zeroing/Ready state	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail
(units)	(Yes/No)								
0 minutes									
5 minutes									
15 minutes									
30 minutes									
Instrument 2 (close to maximum dimensions)				Instrument ID					
Time	Initial zeroing/Ready state	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail
(units)	(Yes/No)								
0 minutes									
5 minutes									
15 minutes									
30 minutes									
RESULT :		PASS		FAIL					



2.3 Static Temperature test (A.2.2)												
2.3.1 Initial Reference temperature test (A.2.2)												
Observer:									At start	At end		
Type/ application #:									Temp (°C)			
Instrument ID:									RH (%)			
Scale Interval (d):									Time			
Conversion Factor (F)									Date			
Auxiliary Device :	Connected		Not connected			Not connected						
Correct indication of Auxiliary device		(yes/no)										
Conveyor Speed (m/min):	minimum		maximum		other							
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
RESULT:			PASS				FAIL					

2.3 Static Temperature test (A.2.2)													
2.3.2 High temperature test (A.2.2.1)													
Observer:								At start		At end			
Type/ application #:								Temp (°C)					
Instrument ID:								RH (%)					
Scale Interval (d):								Time					
Conversion Factor (F)								Date					
Auxiliary Device :		Connected				Not connected but connectable				Not connected			
Correct indication of Auxiliary device				(yes/no)									
Conveyor Speed (m/min):		minimum				maximum				other			
Test object ID		Length =		Width =		Height =		Initial zeroing		yes			
		unit=		unit=		unit=		(Ready condition)		no			
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1													
2													
3													
Test object ID		Length =		Width =		Height =		Initial zeroing		yes			
		unit=		unit=		unit=		(Ready condition)		no			
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1													
2													
3													
Test object ID		Length =		Width =		Height =		Initial zeroing		yes			
		unit=		unit=		unit=		(Ready condition)		no			
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1													
2													
3													
Test object ID		Length =		Width =		Height =		Initial zeroing		yes			
		unit=		unit=		unit=		(Ready condition)		no			
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1													
2													
3													
Test object ID		Length =		Width =		Height =		Initial zeroing		yes			
		unit=		unit=		unit=		(Ready condition)		no			
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1													
2													
3													
RESULT:		PASS				FAIL							

2.3 Static Temperature test (A.2.2)												
2.3.3 Cold temperature test (A.2.2.2)												
Observer:											At start	At end
Type/ application #:											Temp (°C)	
Instrument ID:											RH (%)	
Scale Interval (d):											Time	
Conversion Factor (F)											Date	
Auxiliary Device :	Connected		Not connected		Not connected							
			but connectable									
Correct indication of Auxiliary device		(yes/no)										
Conveyor Speed (m/min):	minimum		maximum		other							
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
RESULT:		PASS		FAIL								

2.3 Static Temperature test (A.2.2)												
2.3.4 Reference temperature test (A.2.2)												
Observer:											At start	At end
Type/ application #:											Temp (°C)	
Instrument ID:											RH (%)	
Scale Interval (d):											Time	
Conversion Factor (F)											Date	
Auxiliary Device :	Connected		Not connected		Not connected							
			but connectable									
Correct indication of Auxiliary device		(yes/no)										
Conveyor Speed (m/min):	minimum		maximum		other							
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
RESULT:			PASS				FAIL					

2.4 Damp Heat Steady State test (A.2.3)													
2.4.1 Initial reference temperature and 50% relative humidity test (A.2.3)													
Observer:									At start	At end			
Type/ application #:									Temp (°C)				
Instrument ID:									RH (%)				
Scale Interval (d):									Time				
Conversion Factor (F)									Date				
Auxiliary Device :	Connected			Not connected			Not connected						
Correct indication of Auxiliary device			(yes/no)										
Conveyor Speed (m/min):	minimum			maximum			other						
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
RESULT:			PASS			FAIL							

2.4 Damp Heat Steady State test (A.2.3)													
2.4.2 High temperature and 85% relative humidity test (A.2.3)													
Observer:									At start	At end			
Type/ application #:									Temp (°C)				
Instrument ID:									RH (%)				
Scale Interval (d):									Time				
Conversion Factor (F)									Date				
Auxiliary Device :	Connected			Not connected			Not connected						
Correct indication of Auxiliary device			(yes/no)										
Conveyor Speed (m/min):	minimum			maximum			other						
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
RESULT:			PASS			FAIL							

2.4 Damp Heat Steady State test (A.2.3)													
2.4.3 End reference temperature and 50% relative humidity test (A.2.3)													
Observer:									At start	At end			
Type/ application #:									Temp (°C)				
Instrument ID:									RH (%)				
Scale Interval (d):									Time				
Conversion Factor (F)									Date				
Auxiliary Device :	Connected			Not connected			Not connected						
Correct indication of Auxiliary device			(yes/no)										
Conveyor Speed (m/min):	minimum			maximum			other						
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
RESULT:			PASS			FAIL							

2.5 AC Power Variation Test (A.2.4)																									
2.5.1 Nominal Voltage (A.2.4)																									
Observer:								At start		At end															
Type/ application #:								Temp (°C)																	
Instrument ID:								RH (%)																	
Scale Interval (d):								Time																	
Conversion Factor (F)								Nominal Voltage (V)																	
								Date																	
Auxiliary Device :		Connected				Not connected but connectable				Not connected															
Correct indication of Auxiliary device				(yes/no)																					
Conveyor Speed (m/min):		minimum				maximum				other															
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)		yes no													
Run (units)		L		ΔL		W		ΔW		H		ΔH		MPE		V		Vcalc		DW		Dwcalc		Pass/Fail	
1																									
2																									
3																									
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)		yes no													
Run (units)		L		ΔL		W		ΔW		H		ΔH		MPE		V		Vcalc		DW		Dwcalc		Pass/Fail	
1																									
2																									
3																									
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)		yes no													
Run (units)		L		ΔL		W		ΔW		H		ΔH		MPE		V		Vcalc		DW		Dwcalc		Pass/Fail	
1																									
2																									
3																									
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)		yes no													
Run (units)		L		ΔL		W		ΔW		H		ΔH		MPE		V		Vcalc		DW		Dwcalc		Pass/Fail	
1																									
2																									
3																									
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)		yes no													
Run (units)		L		ΔL		W		ΔW		H		ΔH		MPE		V		Vcalc		DW		Dwcalc		Pass/Fail	
1																									
2																									
3																									
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)		yes no													
Run (units)		L		ΔL		W		ΔW		H		ΔH		MPE		V		Vcalc		DW		Dwcalc		Pass/Fail	
1																									
2																									
3																									
RESULT:				PASS				FAIL																	



2.5 AC Power Variation Test (A.2.4)													
2.5.2 Nominal Voltage + 10% (A.2.4)													
Observer:									At start	At end			
Type/ application #:									Temp (°C)				
Instrument ID:									RH (%)				
Scale Interval (d):									Time				
Conversion Factor (F)									Nominal Voltage +10% (V)				
									Date				
Auxiliary Device :		Connected			Not connected			Not connected					
						but connectable							
Correct indication of Auxiliary device				(yes/no)									
Conveyor Speed (m/min):		minimum			maximum			other					
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
Test object ID			Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail	
1													
2													
3													
RESULT:				PASS			FAIL						

## 2.5 AC Power Variation Test (A.2.4)

## 2.5.3 Nominal Voltage - 15% (A.2.4)

Observer:											At start	At end
Type/ application #:											Temp (°C)	
Instrument ID:											RH (%)	
Scale Interval (d):											Time	
Conversion Factor (F)											Nominal Voltage - 15% (V)	
											Date	
Auxiliary Device :	Connected		Not connected			Not connected						
			but connectable									
Correct indication of Auxiliary device		(yes/no)										
Conveyor Speed (m/min):	minimum		maximum		other							
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
RESULT:			PASS			FAIL						

2.6 Battery Volatge Variation Test (A.2.5)												
2.6.1 Nominal Voltage (A.2.5)												
Observer:										At start	At end	
Type/ application #:										Temp (°C)		
Instrument ID:										RH (%)		
Scale Interval (d):										Time		
Conversion Factor (F)										Marked Nominal Voltage (V)		
										Date		
Auxillary Device :		Connected		Not connected			Not connected					
				but connectable								
Correct indication of Auxillary device		(yes/no)										
Conveyor Speed (m/min):		minimum		maximum		other						
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
(units)												
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
(units)												
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
(units)												
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
(units)												
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run	L	ΔL	W	ΔW	H	ΔH	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
(units)												
1												
2												
3												
RESULT:		PASS		FAIL								

## 2.6 Battery Voltage Variation Test (A.2.5)

## 2.6.2 Low Voltage (A.2.5)

Observer:											At start	At end
Type/ application #:											Temp (°C)	
Instrument ID:											RH (%)	
Scale Interval (d):											Time	
Conversion Factor (F)											Low Voltage (V)	
											Date	
Auxiliary Device :	Connected		Not connected		Not connected							
			but connectable									
Correct indication of Auxiliary device	(yes/no)											
Conveyor Speed (m/min):	minimum		maximum		other							
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	V	Vcalc	DW	Dwcalc	Pass/Fail
1												
2												
3												
RESULT:	PASS											
	FAIL											



2.8 Electrical Bursts (A.3.2)

2.8.1 Power supply lines (A.3.2)

Observer:

Type/ application #:

Instrument ID:

Scale Interval (d):

Conversion Factor (F)

Temp (°C)

RH (%)

Time

Nominal Voltage (V)

Date

At start

At end

Auxiliary Device :

Connected

Not connected

Not connected but connectable

Correct indication of Auxillary device

(yes/no)

Conveyor Speed (m/min):

minimum

maximum

other

Test object ID

Length =

Width =

Height =

Initial zeroing (Ready condition)

yes

no

Instrument

Connection

L

N

PE

Polarity

Indication

L

W

H

SF > d

SF \*

Result

Comment

Without disturbance

X

pos

Without disturbance

X

pos

Without disturbance

X

pos

NOTES 1. SF \* - Significant fault detected and acted upon.

2. L = Phase, N = Neutral , PE = Protective Earth

Auxiliary device

Connection

L

N

PE

Polarity

Indication

L

W

H

SF > d

SF \*

Result

Comment

Without disturbance

X

pos

Without disturbance

X

pos

Without disturbance

X

pos

NOTES 1. SF \* - Significant fault detected and acted upon.

2. L = Phase, N = Neutral , PE = Protective Earth

RESULT:

PASS

FAIL

### 2.8.2 Input / Output circuits and communication lines (A3.2)

no
----

**NOTES** 1. SF \* - Significant fault detected and acted upon.

(Explain or make a sketch indicating the location of clamp on the cable.)

	FAIL
--	------

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2.9 Electrostatic Discharge (A.3.3)									
2.9.3 Electrostatic discharge Additional sheet (A.3.3)									
Specifications of test points of EUT (eg) photos or sketches									
a) Direct application									
Contact discharges:		<div></div>							
Air discharges:		<div></div>							
b) Indirect application									
Contact discharges:		<div></div>							
Air discharges:		<div></div>							

2.10 Electrical Surges (A.3.4)									
2.10.1 Surges on AC and DC mains power lines (A.3.4.1)									
Observer:									
Type/ application #:					Temp (°C)	At start	At end		
Instrument ID:					RH (%)				
Scale Interval (d):					Time				
Conversion Factor (F)					Nominal Voltage (V)				
					Date				
Auxiliary Device :	Connected		Not connected		Not connected				
		but connectable							
Correct indication of Auxiliary device					(yes/no)				
Conveyor Speed (m/min):	minimum		maximum		other				
Test object ID	Length =		Width =		Height =		Initial zeroing		yes
	unit=		unit=		unit=		(Ready condition)		no
DC Mains Power Instrument									
Connection		Mode		Results					
Test conditions				L	W	H	SF > d	SF *	Result
							Y/N	Y/N	PASS/FAIL
No Surge (reference condition)									
Positive		L-L							
		L-L							
		L-L							
Negative		L-L							
		L-L							
		L-L							
Positive		L-E							
		L-E							
		L-E							
Negative		L-E							
		L-E							
		L-E							
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge									
Auxiliary Devices									
Connection		Mode		Results					
Test conditions				L	W	H	SF > d	SF *	Result
							Y/N	Y/N	PASS/FAIL
No Surge (reference condition)									
Positive		L-L							
		L-L							
		L-L							
Negative		L-L							
		L-L							
		L-L							
Positive		L-E							
		L-E							
		L-E							
Negative		L-E							
		L-E							
		L-E							
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge									
RESULT:	PASS				FAIL				

2.10 Electrical Surges (A.3.4)									
2.10.1 Surges on AC and DC mains power lines (A.3.4.1)									
<b>Observer:</b>									
Type/ application #:					Temp (°C)	At start	At end		
Instrument ID:					RH (%)				
Scale Interval (d):					Time				
Conversion Factor (F)					Nominal Voltage (V)				
					Date				
Auxiliary Device :	Connected		Not connected		Not connected				
			but connectable						
Correct indication of Auxiliary device		(yes/no)							
Conveyor Speed (m/min):	minimum		maximum		other				
Test object ID	Length =		Width =		Height =		Initial zeroing		yes
	unit=		unit=		unit=		(Ready condition)		no
AC surge voltage at 0°									
<b>Instrument</b>									
Connection	Mode	Indication			Results				
Test conditions		L	W	H	SF > d	SF *	Result	Comment	
					Y/N	Y/N	PASS/FAIL		
No Surge (reference condition)									
Positive	L-L								
	L-L								
	L-L								
Negative	L-L								
	L-L								
	L-L								
Positive	L-E								
	L-E								
	L-E								
Negative	L-E								
	L-E								
	L-E								
<b>Note</b> 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge									
<b>Auxiliary Devices</b>									
Connection	Mode	Indication			Results				
Test conditions		L	W	H	SF > d	SF *	Result	Comment	
					Y/N	Y/N	PASS/FAIL		
No Surge (reference condition)									
Positive	L-L								
	L-L								
	L-L								
Negative	L-L								
	L-L								
	L-L								
Positive	L-E								
	L-E								
	L-E								
Negative	L-E								
	L-E								
	L-E								
<b>Note</b> 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge									
RESULT:	PASS				FAIL				

2.10 Electrical Surges (A.3.4)										
2.10.1 Surges on AC and DC mains power lines (A.3.4.1)										
Observer:										
Type/ application #:					Temp (°C)	At start	At end			
Instrument ID:					RH (%)					
Scale Interval (d):					Time					
Conversion Factor (F)					Nominal Voltage (V)					
					Date					
Auxiliary Device :	Connected		Not connected		Not connected					
			but connectable							
Correct indication of Auxiliary device		(yes/no)								
Conveyor Speed (m/min):	minimum		maximum		other					
Test object ID	Length =		Width =		Height =		Initial zeroing		yes	
	unit=		unit=		unit=		(Ready condition)		no	
AC surge voltage at 90°										
Instrument										
Connection		Mode		Indication			Results			
Test conditions				L	W	H	SF > d	SF *	Result	Comment
No Surge (reference condition)							Y/N	Y/N	PASS/FAIL	
Positive		L-L								
		L-L								
		L-L								
Negative		L-L								
		L-L								
		L-L								
Positive		L-E								
		L-E								
		L-E								
Negative		L-E								
		L-E								
		L-E								
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge										
Auxiliary Devices										
Connection		Mode		Indication			Results			
Test conditions				L	W	H	SF > d	SF *	Result	Comment
No Surge (reference condition)							Y/N	Y/N	PASS/FAIL	
Positive		L-L								
		L-L								
		L-L								
Negative		L-L								
		L-L								
		L-L								
Positive		L-E								
		L-E								
		L-E								
Negative		L-E								
		L-E								
		L-E								
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge										
RESULT:	PASS		FAIL							

2.10 Electrical Surges (A.3.4)										
2.10.1 Surges on AC and DC mains power lines (A.3.4.1)										
Observer:										
Type/ application #:							Temp (°C)	At start	At end	
Instrument ID:							RH (%)			
Scale Interval (d):							Time			
Conversion Factor (F)							Nominal Voltage (V)			
							Date			
Auxiliary Device :	Connected		Not connected		Not connected					
		but connectable								
Correct indication of Auxiliary device	(yes/no)									
Conveyor Speed (m/min):	minimum		maximum		other					
Test object ID	Length =		Width =		Height =		Initial zeroing		yes	
	unit=		unit=		unit=		(Ready condition)		no	
AC surge voltage at 180°										
Instrument										
Connection		Mode		Indication			Results			
Test conditions				L	W	H	SF > d	SF *	Result	Comment
No Surge (reference condition)							Y/N	Y/N	PASS/FAIL	
Positive		L-L								
		L-L								
		L-L								
Negative		L-L								
		L-L								
		L-L								
Positive		L-E								
		L-E								
		L-E								
Negative		L-E								
		L-E								
		L-E								
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge										
Auxiliary Devices										
Connection		Mode		Indication			Results			
Test conditions				L	W	H	SF > d	SF *	Result	Comment
No Surge (reference condition)							Y/N	Y/N	PASS/FAIL	
Positive		L-L								
		L-L								
		L-L								
Negative		L-L								
		L-L								
		L-L								
Positive		L-E								
		L-E								
		L-E								
Negative		L-E								
		L-E								
		L-E								
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge										
RESULT:	PASS		FAIL							

2.10 Electrical Surges (A.3.4)									
2.10.1 Surges on AC and DC mains power lines (A.3.4.1)									
Observer:									
Type/ application #:					Temp (°C)	At start	At end		
Instrument ID:					RH (%)				
Scale Interval (d):					Time				
Conversion Factor (F)					Nominal Voltage (V)				
					Date				
Auxiliary Device :	Connected		Not connected		Not connected				
			but connectable						
Correct indication of Auxiliary device		(yes/no)							
Conveyor Speed (m/min):	minimum		maximum		other				
Test object ID	Length =		Width =		Height =		Initial zeroing		yes
	unit=		unit=		unit=		(Ready condition)		no
AC surge voltage at 270°									
Instrument									
Connection	Mode	Indication			Results				
Test conditions		L	W	H	SF > d	SF *	Result	Comment	
					Y/N	Y/N	PASS/FAIL		
No Surge (reference condition)									
Positive	L-L								
	L-L								
	L-L								
Negative	L-L								
	L-L								
	L-L								
Positive	L-E								
	L-E								
	L-E								
Negative	L-E								
	L-E								
	L-E								
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge									
Auxiliary Devices									
Connection	Mode	Indication			Results				
Test conditions		L	W	H	SF > d	SF *	Result	Comment	
					Y/N	Y/N	PASS/FAIL		
No Surge (reference condition)									
Positive	L-L								
	L-L								
	L-L								
Negative	L-L								
	L-L								
	L-L								
Positive	L-E								
	L-E								
	L-E								
Negative	L-E								
	L-E								
	L-E								
Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge									
RESULT:	PASS				FAIL				

2.10 Electrical Surges (A.3.4)									
2.10.2 Surges on signal, data and control lines (A.3.4.2)									
Observer:									
Type/ application #:					Temp (°C)	At start	At end		
Instrument ID:					RH (%)				
Scale Interval (d):					Time				
Conversion Factor (F)					Nominal Voltage (V)				
					Date				
Auxiliary Device :	Connected		Not connected		Not connected				
			but connectable						
Correct indication of Auxiliary device	(yes/no)								
Conveyor Speed (m/min):	minimum		maximum		other				
Test object ID	Length =	Width =	Height =	Initial zeroing			yes		
	unit=	unit=	unit=	(Ready condition)			no		
Connection		Mode	Results						
Test conditions			L	W	H	SF > d	SF *	Result	Comment
						Y/N	Y/N	PASS/FAIL	
No Surge (reference condition)									
Positive		L-L							
		L-L							
		L-L							
Negative		L-L							
		L-L							
		L-L							
Positive		L-E							
		L-E							
		L-E							
Negative		L-E							
		L-E							
		L-E							
<div>Note 1. SF * - Significant fault detected and acted upon. 2. L-L - Line to Line Surge 3. L-E - Line to Earth Surge</div>									
RESULT:	PASS				FAIL				



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<b>2.11 Electromagnetic susceptibility tests (A.3.5)</b>									
<b>2.11.3 Additional Sheet</b>									
1. Description of the set up of the EUT, eg. by photos ,sketches etc.									
2. Additional Remarks									

### 2.12.1 Reference conditions 200 lx to 500 lx (A.4.1)

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## 2.12 Ambient Light Test (A.4.1)

Observer:						At start		At end					
Type/ application #:						Temp (°C)							
Instrument ID:						RH (%)							
Scale Interval (d):						Time							
Conversion Factor (F)						Light (lx)							
						Date							
Auxiliary Device :		Connected				Not connected				Not connected			
Correct indication of Auxiliary device				(yes/no)		but connectable							
Conveyor Speed (m/min):		minimum				maximum				other			
Test object ID				Length =		Width =		Height =		Initial zeroing		yes	
				unit=		unit=		unit=		(Ready condition)		no	
Run (units)		L		ΔL		W		ΔW		H		ΔH	
1													
2													
3													
Test object ID				Length =		Width =		Height =		Initial zeroing		yes	
				unit=		unit=		unit=		(Ready condition)		no	
Run (units)		L		ΔL		W		ΔW		H		ΔH	
1													
2													
3													
Test object ID				Length =		Width =		Height =		Initial zeroing		yes	
				unit=		unit=		unit=		(Ready condition)		no	
Run (units)		L		ΔL		W		ΔW		H		ΔH	
1													
2													
3													
Test object ID				Length =		Width =		Height =		Initial zeroing		yes	
				unit=		unit=		unit=		(Ready condition)		no	
Run (units)		L		ΔL		W		ΔW		H		ΔH	
1													
2													
3													
Test object ID				Length =		Width =		Height =		Initial zeroing		yes	
				unit=		unit=		unit=		(Ready condition)		no	
Run (units)		L		ΔL		W		ΔW		H		ΔH	
1													
2													
3													
Test object ID				Length =		Width =		Height =		Initial zeroing		yes	
				unit=		unit=		unit=		(Ready condition)		no	
Run (units)		L		ΔL		W		ΔW		H		ΔH	
1													
2													
3													
Remarks													
RESULT:		PASS											
Page		66											

2.12 Ambient Light Test (A.4.1)											
2.12.5 Additional Sheet											
1. Description of the set up of the EUT, eg. photos or sketches											
2. Additional remarks											

**2.13 Acoustic Test (A.4.2)**  
**2.13.1 Reference sound level (dB) (A.4.2)**

Observer:						At start		At end	
Type/ application #:						Temp (°C)			
Instrument ID:						RH (%)			
Scale Interval (d):						Time			
Conversion Factor (F)						Sound (dB)			
						Date			
Auxiliary Device :		Connected		Not connected		Not connected			
Correct indication of Auxiliary device				(yes/no)					
Conveyor Speed (m/min):		minimum		maximum		other			

Test object ID		Length =			Width =			Height =			Initial zeroing		yes
		unit=			unit=			unit=			(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail					
1													
2													
3													

Test object ID		Length =			Width =			Height =			Initial zeroing		yes
		unit=			unit=			unit=			(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail					
1													
2													
3													

Test object ID		Length =			Width =			Height =			Initial zeroing		yes
		unit=			unit=			unit=			(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail					
1													
2													
3													

Test object ID		Length =			Width =			Height =			Initial zeroing		yes
		unit=			unit=			unit=			(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail					
1													
2													
3													

Test object ID		Length =			Width =			Height =			Initial zeroing		yes
		unit=			unit=			unit=			(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail					
1													
2													
3													

Remarks													

RESULT:	PASS		FAIL	
---------	------	--	------	--



### 2.13.2 100 dB sound level (dB) (A.4.2)

Observer:						At start		At end	
Type/ application #:						Temp (°C)			
Instrument ID:						RH (%)			
Scale Interval (d):						Time			
Conversion Factor (F)						Sound (dB)			
						Date			
Auxiliary Device :		Connected				Not connected but connectable			
Correct indication of Auxiliary device				(yes/no)					
Conveyor Speed (m/min):		minimum				maximum			
						other			
Test object ID				Length =		Width =		Height =	
				unit=		unit=		unit=	
								Initial zeroing (Ready condition)	
Run (units)		L		ΔL		W		ΔW	
1									
2									
3									
Test object ID				Length =		Width =		Height =	
				unit=		unit=		unit=	
								Initial zeroing (Ready condition)	
Run (units)		L		ΔL		W		ΔW	
1									
2									
3									
Test object ID				Length =		Width =		Height =	
				unit=		unit=		unit=	
								Initial zeroing (Ready condition)	
Run (units)		L		ΔL		W		ΔW	
1									
2									
3									
Test object ID				Length =		Width =		Height =	
				unit=		unit=		unit=	
								Initial zeroing (Ready condition)	
Run (units)		L		ΔL		W		ΔW	
1									
2									
3									
Test object ID				Length =		Width =		Height =	
				unit=		unit=		unit=	
								Initial zeroing (Ready condition)	
Run (units)		L		ΔL		W		ΔW	
1									
2									
3									
Test object ID				Length =		Width =		Height =	
				unit=		unit=		unit=	
								Initial zeroing (Ready condition)	
Run (units)		L		ΔL		W		ΔW	
1									
2									
3									
Remarks									
RESULT:		PASS				FAIL			

2.13 Acoustic Test (A.4.2)									
2.13.3 Additional Sheet									
1. Description of the set up of the EUT, eg. photos or sketches									
2. Additional remarks									

## 2.14 Shape of the object (A.1.6, 6.1.4.2, B.2)

Observer:					At start	At end		
Type/ application #:					Temp (°C)			
Instrument ID:					RH (%)			
Scale Interval (d):					Time			
Conversion Factor (F)					Date			
Auxiliary Device :	Connected		Not connected		Not connected			
Correct indication of Auxiliary device	(yes/no)							
Conveyor Speed (m/min):	minimum		maximum		other			
Test object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)
		unit=		unit=		unit=		yes no
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	Pass/Fail
1								
2								
3								
Description of the 1st test object								
Test object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)
		unit=		unit=		unit=		yes no
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	Pass/Fail
1								
2								
3								
Description of the 2 nd test object								
Test object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)
		unit=		unit=		unit=		yes no
Run (units)	L	$\Delta L$	W	$\Delta W$	H	$\Delta H$	MPE	Pass/Fail
1								
2								
3								
Description of the 3 rd test object								
Remarks (further information required to describe test objects eg. photos or sketches)								
RESULT:	PASS		FAIL					

2.15 Uniform Surface Colour Test (A.1.6, 6.1.4.9, B.3.1)											
Observer:						At start		At end			
Type/ application #:						Temp (°C)					
Instrument ID:						RH (%)					
Scale Interval (d):						Time					
Conversion Factor (F)						Date					
Auxillary Device :		Connected				Not connected but connectable				Not connected	
Correct indication of Auxillary device				(yes/no)							
Conveyor Speed (m/min):		minimum				maximum				other	
Test Object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)		yes	
		unit=		unit=		unit=				no	
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail		
1											
2											
3											
Description of the 1st test object											
Test Object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)		yes	
		unit=		unit=		unit=				no	
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail		
1											
2											
3											
Description of the 2 nd test object											
Test Object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)		yes	
		unit=		unit=		unit=				no	
Run (units)		L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail		
1											
2											
3											
Description of the 3 rd test object											
Remarks (further information required to describe test objects eg. photos or sketches)											
RESULT:		PASS				FAIL					

2.16 Non Uniform Surface Colour Test (A.1.5, 6.1.4.9, B.3.2)												
Observer:						At start		At end				
Type/ application #:						Temp (°C)						
Instrument ID:						RH (%)						
Scale Interval (d):						Time						
Conversion Factor (F)						Date						
Auxiliary Device :		Connected			Not connected			Not connected				
Correct indication of Auxiliary device				(yes/no)								
Conveyor Speed (m/min):		minimum			maximum			other				
Test object ID		Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
		unit=			unit=			unit=				
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 1st test object												
Test object ID		Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
		unit=			unit=			unit=				
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 2nd test object												
Test object ID		Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
		unit=			unit=			unit=				
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 3rd test object												
Remarks (further information required to describe test objects eg. photos or sketches)												
RESULT:		PASS			FAIL							

2.17 Contrast of Colour with background colour test ( A.1.5, 6.1.4.9, B.3.3)											
Observer:						At start		At end			
Type/ application #:						Temp (°C)					
Instrument ID:						RH (%)					
Scale Interval (d):						Time					
Conversion Factor (F)						Date					
Auxillary Device :		Connected		Not connected but connectable			Not connected				
Correct indication of Auxillary device		(yes/no)									
Conveyor Speed (m/min):		minimum		maximum			other				
Test object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)		yes	
		unit=		unit=		unit=				no	
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail			
1											
2											
3											
Description of the 1st test object											
Test object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)		yes	
		unit=		unit=		unit=				no	
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail			
1											
2											
3											
Description of the 2 nd test object											
Test object ID		Length =		Width =		Height =		Initial zeroing (Ready condition)		yes	
		unit=		unit=		unit=				no	
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail			
1											
2											
3											
Description of the 3 rd test object											
Remarks (further information required to describe test objects eg. photos or sketches)											
RESULT: PASS FAIL											

2.18 Surface Reflectivity and absorption of sound test ( A.1.5, 6.1.4.9, B.3.4)												
Observer:						At start	At end					
Type/ application #:						Temp (°C)						
Instrument ID:						RH (%)						
Scale Interval (d):						Time						
Conversion Factor (F)						Date						
Auxiliary Device :	Connected		Not connected		Not connected							
			but connectable									
Correct indication of Auxiliary device		(yes/no)										
Conveyor Speed (m/min):	minimum		maximum		other							
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 1st test object												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 2nd test object												
Test object ID		Length =		Width =		Height =		Initial zeroing		yes		
		unit=		unit=		unit=		(Ready condition)		no		
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 3rd test object												
Remarks (further information required to describe test objects eg. photos or sketches)												
RESULT:	PASS		FAIL									

### 2.19 Surface Reflectivity and absorption of light test ( A.1.5, 6.1.4.9, B.3.5)

Observer:					At start	At end				
Type/ application #:					Temp (°C)					
Instrument ID:					RH (%)					
Scale Interval (d):					Time					
Conversion Factor (F)					Date					
Auxillary Device :	Connected		Not connected		Not connected					
Correct indication of Auxillary device		(yes/no)								
Conveyor Speed (m/min):	minimum		maximum		other					
Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail		
1										
2										
3										
Description of the 1st test object										
Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail		
1										
2										
3										
Description of the 2nd test object										
Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail		
1										
2										
3										
Description of the 3rd test object										
Remarks (further information required to describe test objects eg. photos or sketches)										
RESULT:	PASS		FAIL							



2.20 Uniformity of Density test ( A.1.5, 6.1.4.9, B.3.6)											
Observer:						At start		At end			
Type/ application #:						Temp (°C)					
Instrument ID:						RH (%)					
Scale Interval (d):						Time					
Conversion Factor (F)						Date					
Auxillary Device :		Connected				Not connected but connectable				Not connected	
Correct indication of Auxillary device				(yes/no)							
Conveyor Speed (m/min):		minimum				maximum				other	
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)	
										yes no	
Run (units)		L		ΔL		W		ΔW		H	
1											
2											
3											
Description of the 1st test object											
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)	
										yes no	
Run (units)		L		ΔL		W		ΔW		H	
1											
2											
3											
Description of the 2 nd test object											
Test object ID				Length = unit=		Width = unit=		Height = unit=		Initial zeroing (Ready condition)	
										yes no	
Run (units)		L		ΔL		W		ΔW		H	
1											
2											
3											
Description of the 3 rd test object											
Remarks (further information required to describe test objects eg. photos or sketches)											
RESULT:		PASS				FAIL					

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2.22 Surface Roughness test ( A.1.5, 6.1.4.9, B.3.8)												
Observer:						At start		At end				
Type/ application #:						Temp (°C)						
Instrument ID:						RH (%)						
Scale Interval (d):						Time						
Conversion Factor (F)						Date						
Auxiliary Device :		Connected			Not connected but connectable			Not connected				
Correct indication of Auxiliary device				(yes/no)								
Conveyor Speed (m/min):		minimum			maximum			other				
Test object ID		Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
		unit=			unit=			unit=				
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 1st test object												
Test object ID		Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
		unit=			unit=			unit=				
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 2 nd test object												
Test object ID		Length =			Width =			Height =			Initial zeroing (Ready condition)	yes no
		unit=			unit=			unit=				
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail				
1												
2												
3												
Description of the 3 rd test object												
Remarks (further information required to describe test objects eg. photos or sketches)												
RESULT:		PASS			FAIL							

2.23 Protrusions on Surface Test ( A.1.5, 6.1.4.9, B.3.9)

Observer:

Type/ application #:

Instrument ID:

Scale Interval (d):

Conversion Factor (F)

Auxiliary Device :

Connected

Not connected but connectable

Correct indication of Auxiliary device (yes/no)

Conveyor Speed (m/min):

minimum

maximum

other

Temp (°C)

RH (%)

Time

Date

At start

At end

Test object ID

Length = unit=

Width = unit=

Height = unit=

Initial zeroing (Ready condition)

yes

no

Run (units)

L

ΔL

W

ΔW

H

ΔH

MPE

Pass/Fail

1

2

3

Description of the 1st test object

Test object ID

Length = unit=

Width = unit=

Height = unit=

Initial zeroing (Ready condition)

yes

no

Run (units)

L

ΔL

W

ΔW

H

ΔH

MPE

Pass/Fail

1

2

3

Description of the 2 nd test object

Test object ID

Length = unit=

Width = unit=

Height = unit=

Initial zeroing (Ready condition)

yes

no

Run (units)

L

ΔL

W

ΔW

H

ΔH

MPE

Pass/Fail

1

2

3

Description of the 3 rd test object

Remarks (further information required to describe test objects eg. photos or sketches)

RESULT: PASS FAIL

**2.24 Orientation and Position Test ( A.1.5, 6.1.4.9, B.4)**

Observer:						At start	At end				
Type/ application #:						Temp (°C)					
Instrument ID:						RH (%)					
Scale Interval (d):						Time					
Conversion Factor (F)						Date					
Auxiliary Device :	Connected		Not connected		Not connected						
			but connectable								
Correct indication of Auxiliary device		(yes/no)									
Conveyor Speed (m/min):	minimum		maximum		other						
Test object ID		Length =		Width =		Height =		Initial zeroing		yes	
		unit=		unit=		unit=		(Ready condition)		no	
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail			
1											
2											
3											
Description of the 1st test object											
Test object ID		Length =		Width =		Height =		Initial zeroing		yes	
		unit=		unit=		unit=		(Ready condition)		no	
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail			
1											
2											
3											
Description of the 2 nd test object											
Test object ID		Length =		Width =		Height =		Initial zeroing		yes	
		unit=		unit=		unit=		(Ready condition)		no	
Run (units)	L	ΔL	W	ΔW	H	ΔH	MPE	Pass/Fail			
1											
2											
3											
Description of the 3 rd test object											
Remarks (further information required to describe orientation and position of the test objects. (eg. photos or sketches)											
RESULT: PASS FAIL											

2.25 Test for Speed of Relative Movement (A.1.5, 6.1.4.7)													
2.25.1 Minimum Speed (A.1.5, 6.1.4.7)													
Observer:													
Type/ application #:													
Instrument ID:													
Scale Interval (d):													
Conversion Factor (F)													
At start    At end													
Temp (°C)													
RH (%)													
Time													
Date													
Auxiliary Device :    Connected    Not connected but connectable    Not connected													
Correct indication of Auxiliary device    (yes/no)													
Conveyor Speed (m/min):    minimum    maximum    other													
Test object ID    Length =    Width =    Height =    Initial zeroing (Ready condition)    yes no													
Run (units)    L    ΔL    W    ΔW    H    ΔH    MPE    V    Vcalc    DW    Dwcalc    Pass/Fail													
1													
2													
3													
Test object ID    Length =    Width =    Height =    Initial zeroing (Ready condition)    yes no													
Run (units)    L    ΔL    W    ΔW    H    ΔH    MPE    V    Vcalc    DW    Dwcalc    Pass/Fail													
1													
2													
3													
Test object ID    Length =    Width =    Height =    Initial zeroing (Ready condition)    yes no													
Run (units)    L    ΔL    W    ΔW    H    ΔH    MPE    V    Vcalc    DW    Dwcalc    Pass/Fail													
1													
2													
3													
Test object ID    Length =    Width =    Height =    Initial zeroing (Ready condition)    yes no													
Run (units)    L    ΔL    W    ΔW    H    ΔH    MPE    V    Vcalc    DW    Dwcalc    Pass/Fail													
1													
2													
3													
Test object ID    Length =    Width =    Height =    Initial zeroing (Ready condition)    yes no													
Run (units)    L    ΔL    W    ΔW    H    ΔH    MPE    V    Vcalc    DW    Dwcalc    Pass/Fail													
1													
2													
3													
Remarks													
RESULT:    PASS    FAIL													

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2.26 Examination of the Construction of Instrument (5.1.2)											
Use this page to indicate any description or information pertaining to the instrument, additional to that already contained in this report and in the accompanying certificate of approval or OIML certificate of conformity.											
This may include a picture of the complete instrument, a description of its main components and any remark which could be useful for initial or subsequent verifications of individual instruments built according to the pattern. It may also include references to the manufacturer's description.											
RESULT:		PASS			FAIL						



## 2.27 Checklist

Report No:											
Application No:											
Manufacturer:											
Make and Model:											
Serial No:											
Date:											
Observer:											

Requirement	Passed	Failed	Remarks
<b>Units of measurement</b>			
<b>3</b> Correct units and symbols used			
<b>Scale intervals, minimum dimension</b>			
<b>4.1</b> Correct minimum dimensions			
<b>Range of special temperature limits</b>			
<b>4.2.1</b> Atleast 30 °C			
<b>Fraudulent Use</b>			
<b>5.1.1</b> Instrument shall not facilitate fraudulent use			
<b>Suitability of construction</b>			
<b>5.1.2</b> All controls, indicators, etc. are suitable.			
<b>Suitability for verification</b>			
<b>5.1.3</b> Constructed so that test of performance requirements can be carried out			
Test mode provided (only volume indicated in normal position)			
<b>Zero or Ready Adjustment</b>			
<b>5.1.4</b> Facilitates for zero or ready condition			
Can only be set with no object in the measurement area.			
Zero or Ready condition indicated.			
Condition set automatically or inhibited if not set correctly			
<b>Tare Device</b>			
<b>5.1.5 (a)</b> Only operates negatively with respect to the zero or ready condition.			
<b>5.1.5 (b)</b> Value of the tare scale interval is the same as that for the respective axis and range.			
<b>5.1.5 (c)</b> Operation of tare indicated.			
<b>Indicators and printing devices</b>			
<b>5.2.1 (a)</b> Instrument has atleast one indicator which displays dimensions or volume.			
<b>5.2.1 (b)</b> For direct sales to the public, indication available to the customer.			
<b>5.2.1 (c)</b> Indications automatically displayed or are readily available.			
<b>5.2.1 (d)</b> Other indications (eg. DW, F0 are automatically displayed or are readily available			
<b>5.2.1 (e)</b> Previously displayed indication does not persist for more than 1 (one) second.			
<b>5.2.1 (f)</b> Display of extended indication device:			
- while pressing a key; or			
- limited to 5 seconds			
No printing of extended indication			
Extended indication device not fitted to instrument for direct sales to public.			
<b>5.2.1 (g)</b> All indications are identified			
<b>Clarity of indications</b>			
<b>5.2.2</b> Indications, printing reliable, clear and unambiguous and printing indelible			
Figures easy to read			
Digital indicator stable at changeover point			
Digits oriented normally and permit reading by simple juxtaposition.			
<b>Units of measurement</b>			
<b>5.2.3</b> All indications include the name/symbol of the unit of measurement			
On tickets, name or symbol printed by printer or preprinted,			
For any one indication, only one unit of measurement used.			

## 2.27 Checklist, continued

Requirement	Passed	Failed	Remarks
<b>Value of Scale interval</b>			
<b>5.2.4</b>			Value of Scale interval in the form 1,2 or 5 x 10 <sup>n</sup> The scale interval shall be:
<b>5.2.4 (a)</b>			– the same for each axis; or
<b>5.2.4 (b)</b>			– different for one axis from the other provided instructions are marked, or indication of incorrect use given; or
<b>5.2.4 (c)</b>			– variable, on one or more axes provided:
			– All three axes are multi-interval - all the same
			– two axes are multi-interval and the third is fixed.
			– instrument limitations are clearly marked.
			– one axis is multi-interval and the others are fixed.
			– instrument limitations are clearly marked.
<b>Decimal numbers</b>			
<b>5.2.5</b>			At least one zero before decimal mark for values <1. Decimal mark printed. One or more fixed zeros to the right of variable numbers for values >1. Printed numbers and symbols at least 2 mm high.
<b>Limits of Indication</b>			
<b>5.2.6</b>			Dimensions above maximum + 9d either:
<b>5.2.6 (a)</b>			– blank; or
<b>5.2.6 (b)</b>			– be identified by an obvious difference in the display.
<b>Multi-interval instruments</b>			
<b>5.2.7</b>			For each partial measuring range:
<b>5.2.7 (a)</b>			– $d_1 < d_2 < \dots < d_n$ ;
<b>5.2.7 (b)</b>			– $\min = \min_1$ , $\max = \max_1$ , $\max_1 = \min_2$ etc.
<b>Multi-instrument systems</b>			
<b>5.2.8</b>			Test indicator provided if indicator not near each device Test indicator readily connected to each device without affecting the performance. Indications on common indicator and test indicator agree. Indication from each device clearly identified on the common indicator.
<b>Printed and displayed information</b>			
<b>5.2.9</b>			Ticket or display includes sufficient information Examples:
<b>5.2.9.1 (a)</b>			– dimensions: length (L), width (W) and height (H)
<b>5.2.9.1 (b)</b>			– volume (V)
<b>5.2.9.1 (c)</b>			– weight (W)
<b>5.2.9.1 (d)</b>			– dimensional weight (DW.....kg)
<b>5.2.9.1 (e)</b>			– dimensional tare (DT.....kg) or linear tare (LT.....cm)
<b>5.2.9.1 (f)</b>			– conversion factor (F)
<b>5.2.9.1 (g)</b>			– quantity for charging
<b>5.2.9.1 (h)</b>			– price rate and price
<b>5.2.9.1 (i)</b>			– date, transaction number etc.
<b>Note 1</b>			Icons used
<b>Note 2</b>			Information displayed or available on demand
<b>Note 3</b>			Price interval and price rate comply with national regulations
<b>5.2.9.2</b>			A printed ticket contains printed or preprinted notices stating:
<b>5.2.9.2 (a)</b>			– dimensions and/or volume are those of the smallest rectangular box
<b>5.2.9.2 (b)</b>			– dimensional weight is a calculated value
<b>Stability</b>			
<b>5.2.10</b>			Printing or storage inhibited when equilibrium not stable.

## 2.27 Checklist, continued

Requirement	Passed	Failed	Remarks
<b>Markings</b>			
5.3.1			Instrument clearly and permanently marked on the nameplate in the vicinity of indicating device.
			Nameplate contains the following information
5.3.1 (a)			- manufacturer's name or mark
5.3.1 (b)			- model designation
5.3.1 (c)			- serial number and year of manufacture
5.3.1 (d)			- pattern approval mark
5.3.1 (e)			- minimum and maximum dimensions for each axis
5.3.1 (f)			- maximum and minimum measuring speeds
5.3.1 (g)			- scale interval(s) in the form of d =
5.3.1 (h)			- temperature limits (if other than - 10°C to 40°C)
<b>Notices</b>			
5.3.2			Notice(s) or limitation(s) of use clearly marked and visible to the operator, or in operator's manual.
5.3.2 (a)			Special application.
5.3.2 (b)			Minimum spacing
5.3.2 (c)			Measure only rectangular boxes
5.3.2 (d)			Box location
5.3.2 (e)			Limitations of surface characteristics
5.3.2 (f)			Dimensions / volume are those of smallest rectangular box.
5.3.2 (g)			Dimensional weight a calculated value.
			Other special notices relating to the instrument.
<b>Verification Mark</b>			
5.4.1			Provision made for the application of a verification mark
			The following requirements apply:
5.4.1 (a)			mark easily affixed without affecting the metrological properties
5.4.1 (b)			mark visible without moving or dismantling instrument when in use.
5.4.1 (c)			the part on which the mark is located is not removable from the instrument without damaging the mark
5.4.1 (d)			the size of the space sufficient for a mark (e.g. at least 200 mm²)
<b>Sealing</b>			
5.4.2			Provision made for sealing by mechanical or electronic means
			Mechanical seal applied as in 9.1
			For electronic seals:
5.4.2 (a)			- access by authorised persons protected by physical key or password.
5.4.2 (b)			- access to alter parameters automatically recorded.
5.4.2 (c)			- record readily accessible by simple action
5.4.2 (d)			- record readily identifiable.
5.4.2 (e)			- reference record permanently marked on the instrument
5.4.2 (f)			- record does not repeat in a sequence of less than 999 alterations
			- record persists reliably for a period of at least two years.
5.4.2 (g)			- record persists through tests for influence factors and disturbances.
<b>Acting upon significant faults</b>			
5.6.1			Instrument made automatically inoperative; or
			visible or audible indication until user takes action or fault disappears
			Automatic instrument made inoperative automatically
<b>Indication Check</b>			
5.6.2			Display check needed
			Display check not needed
			All elements of the indication are active and non-active long enough to be checked by the operator.

2.27 Checklist, continued										
Requirement								Passed	Failed	Remarks
5.5.2	<b>Auxiliary devices interface</b>									
	Interface does not allow metrological functions to be affected by the operation of the auxiliary devices or connected instruments or disturbances acting on the interface.									
	Interface sealed if instructions or data affecting the measurement result can be introduced through the interface.									
		<b>Documentation</b>								
6.1	Submission accompanied by sufficient documentation, to ensure complete understanding of the construction and method of operation of the instrument including:									
	– drawings									
	– specifications									
	– photographs									
	– descriptions									
	Details of the measurement data contained in the memory and calculation methods provided									
	For electronic instruments, documentation includes:									
	– list of all electronic sub-assemblies with their essential characteristics									
		– description of electronic devices with drawings, diagrams and general software information explaining their construction and operation								
				RESULT	PASS					
					FAIL					