## General information concerning the type

Application no.: Type designation: Manufacturer: Applicant: Instrument category:			
Comp	olete instrument Mo	odule <sup>1</sup> with error	fraction $p_i = \square$
Accuracy class <sup>2</sup> :			
Self-indicating	Semi-self-indicating	Non-self-in	ndicating
Min =			
e =	Max =	d =	n =
$e_1 =                                   $	$Max_1 =                                   $	$d_1 = \begin{vmatrix} d_1 & d_2 & d_3 & d_$	$n_1 = \boxed{ \\ n_2 = \boxed{ \\ n_3 = }$
T = +	T = -		
$U_{\text{nom}} = $ V $U_{\text{m}}$	$U_{\min} = $ $U_{\max} = $	V f =  Hz	Battery, $U_{\text{nom}} = \boxed{} V$
Zero-setting device:	Tare device:		
Non-automatic	Tare balancing	Co	ombined zero/tare device
Semi-automatic	Tare weighing		
Automatic zero-setting	Preset tare device	;	
Initial zero-setting	Subtractive tare		
Zero-tracking	Additive tare		
Initial zero-setting r	ange =  % of Max	Temperature rar	nge: °C
Printer: Bu	uilt-in Connected	Not present but connectable	No connection
Instrument submitted: Identification no.: Software version: Connected equipment:		Load cell: Manufacturer: Type: Capacity: Number:	
Interfaces (number, nature):		Classification symbol:	
Evaluation period: Date of report: Observer:		Remarks:	

The test equipment (simulator or a part of a complete instrument) connected to the module shall be defined in the test form(s) used.

Please note that the class denominations used hereafter in this Recommendation do not include the oval around the number for improved clarity of the Test Report Format's text.

1	WEIGHING PERFORMANCE	$(A \ 4 \ 4)$	(A 5 3 1)	١
1	WEIGHING LEKTOKMANCE	(A.4.4)	(A.J.J.1)	,

1 WEIGHING (Calculation o		NCE (A.4.4)	(A.5.3.1)						
Application no.:									
Type designation:									
Date:					-	At start	At max	At end	_
Observer:					Temp.:				°C
Verification					Rel. h.:				%
scale interval, e:					Time:				
Resolution during tes	t				Bar. pres.:				hPa
(smaller than e):					(only class I)				_
Automatic zero-settin  Non-existent  Initial zero-setting > 2	Not	in operation			ing range (see R 76-1		In operatio	n	
$E = I + \frac{1}{2} e - \Delta L - L$ $E_c = E - E_0 \text{ with } E_0 =$		ed at or near	zero*						
Load, L	Indicat	ion, I	Add. load, $\Delta L$	Eı	ror, E	Correcte	d error, $E_{\rm c}$	mpe	
,	$\downarrow$	$\uparrow$	$\downarrow$ $\uparrow$	$\downarrow$	$\uparrow$	<b>\</b>	$\uparrow$		

Load, L	Indica	ation, I		load, L	Erro	or, E	Corrected	d error, $E_{\rm c}$	mpe
,	$\downarrow$	$\uparrow$	$\downarrow$	$\uparrow$	$\downarrow$	$\uparrow$	$\downarrow$	$\uparrow$	1
	*				*				
									_

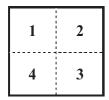
Check if $ E_c  \le  r $	npe			
Passed	Failed			
Remarks:				

2	EC	CENT	DICI	TN/ / A	4 7
1	H.C		KIC I	IYIA	4 / 1

3.	1	<b>Eccentricity</b>	using	waighte	$(A \ A \ 7 \ 1)$	2 and 3)
J.	1	Eccentilicity	using	WCIZIIIS	\ <i>[</i> ].+	L anu S

Application no.:						
Type designation:						
Date:		_	At start	At max	At end	
Observer:		Temp.:				°C
Verification		Rel. h.:				%
scale interval, e:		Time:				
Resolution during test		Bar. pres.:				hPa
(smaller than e):		(only class I)				
1) Test(s) performed on	a mobile instrument (A.4.7.5):			☐ Yes	☐ No	
2) In case of "Yes" to 1)	): A.4.7 and A.4.7.1 to A.4.7.4 have been app	olied:		Yes Yes	☐ No	
3) In case of "No" to 2):	Description of eccentricity test(s) (see A.4.7	7.5) under "Ren	narks"			

Location of test loads: mark on a sketch (see example below) the successive locations of test loads, using numbers which shall be repeated in the table below.



Also indicate in the sketch the location of the display or of another perceptible part of the instrument.

Automatic zero-setting and zero-tracking device is:

	0	
Non-existent	Not in operation	Out of working range

$$E = I + \frac{1}{2} e - \Delta L - L$$

 $E_c = E - E_0$  with  $E_0 =$  error calculated at or near zero\* determined prior to each measurement

Location	Load, L	Indication, I	Add. load, $\Delta L$	Error, E	Corrected error, $E_c$	mpe
	*			*		
1						
	*			*		
2						
	*			*		
3						
	*			*		
4						

Check if $ E_c  \le$	K  mpe			
Passed	Failed			
Remarks:				

	no.:								
Type designate:	ation.				• • • • • •	At start	At max	At end	
bserver:					Temp.:				°C
erification					Rel. h.:				%
cale interva					Time:				
esolution d					Bar. pres.:				hPa
smaller thar	1 <i>e</i> ):				(only class I)	)			
lumber of s	ections of	the divided l	oad receptor		Uı	ndivided lo	ad receptor	r	
ocations of	test loads,	using numbe		eceptor: mark on be repeated in the instrument.					cation
1	2	3							
	<u> </u>	!	_						
	_		cking device is:						
Non-exi	stent	Not	in operation	Out of wo	orking range				
$T = I + \frac{1}{2} \alpha$	$-\Delta L - L$			*					
		rror calculat	ed at or near zer	o ~					
$\frac{E_{\rm c} = E - E_0 \text{ V}}{\text{Section}}$	with $E_0 = e$ Direction	rror calculat Location	ed at or near zer  Load, L	Indication,	Add. load,	Error,	·	orrected	mp
$G_{c} = E - E_{0} \text{ V}$ Section	with $E_0 = e$				Add. load, $\Delta L$	Error,	·	orrected $E_{\rm c}$	mp
$G_{c} = E - E_{0} \text{ V}$ Section	with $E_0 = e$ Direction		Load, L	Indication,		E	·		mp
$G_{c} = E - E_{0} \text{ V}$ Section	with $E_0 = e$ Direction		Load, L	Indication,		E	·		mp
$\frac{V_{c} = E - E_{0} \text{ V}}{Section}$	with $E_0 = e$ Direction		Load, L	Indication,		E	·		mp
$E_{\rm c} = E - E_0 \text{ V}$	with $E_0 = e$ Direction		Load, L	Indication,		E	·		mp
$G_{c} = E - E_{0} \text{ V}$ Section	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$G_{c} = E - E_{0} \text{ V}$ Section	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$G_{\rm c} = E - E_0 \text{ V}$	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$G_{\rm c} = E - E_0 \text{ V}$	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$G_{\rm c} = E - E_0 \text{ V}$	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$\frac{E_{\rm c} = E - E_0  \text{V}}{\text{Section}}$	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$\frac{E_{\rm c} = E - E_0 \text{ V}}{\text{Section}}$	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$\frac{E_{\rm c} = E - E_0 \text{ V}}{\text{Section}}$	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$\frac{E_{\rm c} = E - E_0 \text{ V}}{\text{Section}}$	with $E_0 = e$ Direction		Load, L	Indication,		*	·		mp
$\frac{E_{\rm c} = E - E_0 \text{ V}}{\text{Section}}$	with $E_0 = e$ Direction		* * * *	Indication,		*	´		mp
$\frac{E_{\rm c} = E - E_0 \text{ V}}{\text{Section}}$	with $E_0 = e$ Direction		* * * *	Indication,		*	´		mp
$\frac{E_{\rm c} = E - E_0  \text{V}}{\text{Section}}$	with $E_0 = e$ Direction		* * * *	Indication,		*	´		mp
$G_{\rm c} = E - E_0 \text{ V}$	with $E_0 = e$ Direction		* * * *	Indication,		*	´		mŗ
$\frac{E_{\rm c} = E - E_0 \text{ V}}{\text{Section}}$	with $E_0 = e$ Direction $(\leftarrow / \rightarrow)$		* * * *	Indication,		*	´		mŗ

4.1 Discrimi		D SENSITIVITY 2)				
Application no.: Type designatio Date: Observer: Verification sca Scale interval, a	n: .  le interval, e: .			Temp.: Rel. h.: Time: Bar. pres.:	At start At max	At end °C % hPa
Load, L	Indication,  I <sub>1</sub>	Removed load $\Delta L$	Add 1/10 d	Extra load, = 1.4 <i>d</i>	Indication, I <sub>2</sub>	$I_2 - I_1$
Check if $I_2 - I_1$	$\geq d$					
Passed	Failed					
	ndication (A.4.8.	1)				
Application no.: Type designatio					At start At max	At end
Date:				Temp.:		°C
Observer: Verification sca Scale interval, <i>a</i>				Rel. h.: Time: Bar. pres.:		% hPa
	Load, L	Indication, $I_1$	Extra load =  mpe	Indication, $I_2$	$I_2-I_1$	
Check if $I_2 - I_1$	≥ 0.7 mpe	1				l
Passed	Failed					
Remarks:						

Type designation: Date: Observer:			Temp.: Rel. h.: Time: Bar. pr		At max	At end	°C % hPa
	Load, L	Indication, I	Extra load, = 0.4  mpe	Visible displacemen	nt <sup>*</sup>		
		* Mark a visihl	e displacement by "	·+''			
Check if there is a visi	hle displacement	William a vision	o displacement by				
	_						
	ailed						
Remarks:							
Application No.:	n-self-indicating	instrument) (A.4.9	<b>)</b> )				
Application No.: Type designation: Date:	n-self-indicating	instrument) (A.4.9		At start	At max	At end	
Application No.: Type designation:	n-self-indicating	instrument) (A.4.9			At max	At end	°C %
Application No.: Type designation: Date:	n-self-indicating	instrument) (A.4.9	Temp: Rel. h: Time:		At max	At end	%
Application No.: Type designation: Date:		instrument) (A.4.9	Temp: Rel. h: Time:		At max	At end	%
Application No.: Type designation: Date:		Eytra load	Temp: Rel. h: Time: Bar. pr	es:	At max	At end	%
Application No.: Type designation: Date:		Extra load	Temp: Rel. h: Time: Bar. pr	placement of element mm	At max	At end	%
Application No.: Type designation: Date:		Extra load	Temp: Rel. h: Time: Bar. pr	es:	At max	At end	
Application No.: Type designation: Date: Observer:  Check if the permanen 1 mm for an instrui 2 mm for an instrui 5 mm for an instrui	t displacement is ment of accuracy ment of accuracy	Extra load =  mpe   equal to or greater class I or II	Temp: Rel. h: Time: Bar. pr  Permanent disp indicating  than: Max ≤ 30 kg	placement of element mm mm	At max	At end	%

Application no.: Type designation: Date: Observer: Verification scale interval, e: Resolution during test (smaller than e): Automatic zero-setting an		ing device is:		Temp.: Rel. h.: Time: Bar. pres.: (only class	At start	At max		°C % hPa
Non-existent	In oper	ation						
Load (weighing 1- $E=I+1/2 e-\Delta L-L$				Load (weighin	g 11-20)			
Indication of load, I	Add. load, $\Delta L$	E		Indication of load, <i>I</i>		load,	E	
1	20		11	011044,1				
2			12					
3			13					
4			14					
5			15					
6			16					
7			17					
8			18					
9			19					
10			20					
			<u> </u>		I			
$E_{\rm max} - E_{\rm min}$ (weight	ghing 1-10)			$E_{\rm max} - E_{\rm min}$ (	weighing	11-20)		
	mpe					mpe		

Passed

Check if

a)  $E \le \text{mpe} (3.6 \text{ of R } 76-1)$ 

Failed

b)  $E_{\text{max}} - E_{\text{min}} \le \text{absolute value of mpe (3.6.1 of R 76-1)}$ 

7	STABILITY OF E	QUILIBRIUM (A	A.4.12)				
Type of Date: Observerific scale i Resolu (small Autom		zero-tracking dev			p: h: e: pres: class I)	At start At r	max At end °C % hPa
No.	Load (about 50 % of Max		ted or stored weight vasturbance and comman		_	during 5 s aft num value	er print-out or storage maximum value
1	_						
2							
3	_						
4	-						
5							
print-c	if the first printed or out or storage (only two ssed Failed case of zero-setting of	vo adjacent values	ue does not deviate m s allowed)	ore than 1	l e from t	he readings du	uring 5 seconds after
Zero-	setting		$= I_0 + \frac{1}{2} e - \Delta L - L_0$				
No.*	Zero-load (< 4 % of Max)	Load, $L_0^{**}$ (10 $e$ )	Indication, $I_0$ after zero-setting	Add. lo	oad, $\Delta L$	Error, $E_0$	
1							
3							$\dashv$
4							
5							
ı			1	1			<b>-</b>
Tare l	balancing		$=I_0 + \frac{1}{2}e - \Delta L - L_0$				
No.*	Tare load (about 30 % of Max)	Load, $L_0^{**}$ (10 $e$ )	Indication, $I_0$ , after tare balancing	Add. lo	oad, $\Delta L$	Error, $E_0$	
1							
2							
3							
4							
5							
			uilibrium and immeding to A.4.2.3/A.4.6.2 o				

Check if $E_0 \le 0.25 \ e$		
Passed Failed		
Remarks:		

<sup>\*\*</sup>  $L_0$  (10 e) shall be applied only if an automatic zero-setting or zero-tracking device is in operation.  $L_0$  shall be applied after releasing tare or zero-setting, immediately after zero is displayed the first time.

A 11 41	
Application no.:	
Type designation:	
Type designation.	

## 17.1 All types of weighing instruments except non-self-indicating instruments (6.1-6.9, R 76-1)

Requirement	Testing procedures		PASSED	FAILED	Remarks
	•	Descriptive markings			
7.1.1	A.3	Compulsory in all cases:			
		manufacturer's mark or name			
		accuracy class			
(+3.3.1)		maximum capacity, Max, Max <sub>1</sub> , Max <sub>2</sub> ,			
		minimum capacity, Min			
(+3.3.1)		verification scale interval, $e$ , $e_1$ , $e_2$ ,			
7.1.2	A.3	Compulsory if applicable:			
		name or mark of manufacturer's agent			
		serial number			
		identification marks on separate but associated units			
		type approval mark			
		scale interval, $d$ ( $d < e$ )			
		software identification (if applicable)			
		maximum tare effect, T (subtractive tare only if $T \neq Max$ )			
		maximum safe load, Lim (if Lim > Max + T)			
		special temperature limits			
		counting ratio			
		ratio between weight platform and load platform			
		range of plus/minus indication			
7.1.3	A.3	Additional markings:			
7110	A.3	not to be used for direct sales to the public			
		to be used exclusively for:			
		the stamp does not guarantee / guarantees only			
		to be used only as follows:		_	
3.2		special applications clearly marked (weighings ranges in			
3.4		classes I and II or II and III)			
4.15		near display "not to be used for direct sales to the public" (for			
4.15		instruments similar to those used for direct sales to the			
		public)			
7.1.4	A.3	Presentation of markings:			
,,,,,,,	11.0	indelible			
		easily readable			
		grouped together in a clearly visible place			
		Max, Min, $e$ and $d$ (if $d \neq e$ ) on or near display permanently			
		shown in a clearly visible position $\frac{1}{2}$			
		possible to seal and apply a control mark/removal will result			
		in destruction			
		markings B and G			
7.1.4 and		additional information shown alternatively on a plate or		$\dashv$	
7.1.4 and 7.1.1 B,		displayed by a software solution either permanently or			
7.1.2 G		accessed by a simple manual command			
7.1.5.1	A.3	Instruments with several load receptors and load measurin	o de	vic	es:
,	11.5	identification mark, Max, Min and e of each load receptor on	<u> </u>	1	
		relating load measuring device (Lim and $T = + if$ applicable)			
		- Tappiouole)			

Requirement	Testing procedures		PASSED	FAILED	Remarks
7.1.5.2	A.3	Separately-built main parts:			
		identification mark repeated in descriptive markings			
4.1.1.3		Suitability for verification:		1	
		identification of devices which have been subject to separate			
		type examination			
7.2	A.3	Verification marks and sealing  Verification mark:			
1.2	A.3	cannot be removed			
		easy application	-		
		visibility without the instrument to be moved when it is in	-		
		service			
7.2.2		Verification mark support or space:			
		which ensures conservation of the mark			
		for stamp, stamping area ≥ 150 mm <sup>2</sup>			
		for self-adhesive type, $\emptyset \ge 15 \text{ mm}$			
4.1.2.4	A.3	Securing of components and preset controls:			
		location			
		form			
4.1.2.4		Securing with software means			
4.1.2.4 a		legal status of the instrument recognizable			
		evidence of any intervention			
4.1.2.4 b		protection against changes of parameters and the reference			
		numbers			
4.1.2.4 c		facilities for affixing the reference number		L	
4.1.2.5		Span adjustment device (automatic or semi-automatic):	Exist	ent L	Non-existent
1126		external influence impossible after securing			
4.1.2.6			Exist	ent ∟	Non-existent
		external influence on or access to impossible after securing  Documentation			
8.2.1	A.1	Technical information and data:			
8.2.1.1,	A.1	characteristics of the instrument	-		
3.10.2		specifications of modules			
3.10.2.1		fractions, $p_i$ (modules tested separately)	1		
3.10.4		specifications of families			
0.120.1		specifications of components			
8.2.1.2		applicable descriptive documents (according to nos. 1-11)			
5.3.6.1	A.1	specific declaration of the manufacturer			
3.9.1.1		limiting value of tilting defined by the manufacturer			
8.2.2	A.2	Examination of:			
		documents			
		functions (spot checks)			
		test reports from other authorities			
	ı	Indicating device			
4.2.1		Reading:	-		
		reliable, easy and unambiguous	+	-	
			-		
			+	-	
4.5.5.					
4.2.2.1	A.3			ı	
		mass .	-		
		price			
4.2.2.1	A.3	overall inaccuracy ≤ 0.2 e (analog indication) size, shape and clarity by simple juxtaposition  Units of: mass price			