

## OIML Certificate of Conformity

**OIML Member State** The Netherlands Number R60/2000-NL1-17.57 Project number 1901376 Page 1 of 3

+ Issuing authority	NMi Certin B.V. + + + + + + + + + + + + + + + + + +	
* * * * * * * * *	Person responsible: C. Oosterman + + + + + + + + + + + + + + + + + + +	
+ Applicant and	Minebea Intec GmbH	
+ Manufacturer + +	Meiendorfer Strasse 205 A	
	D-22145 Hamburg + + + + + + + + + + + + + + + + + + +	
	+ Germany + + + + + + + + + + + + + + + + + + +	
+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	* * * * * * * * * * * * * * * * * * * *	
Identification of the certified type	A compression load cell, with strain gauges. Type : PR 6203	
- certified type	Type : PR 6203	
+ Characteristics + +	See next page	
identified in the OIML	the conformity of the above identified Type (represented by the sample(s) Test Report) with the requirements of the following Recommendation of the tion of Legal Metrology (OIML):	
	OIML R 60 - Edition 2000 (E) for accuracy class C + + + + + + + + + + + + + + + + + +	
instrument covered by	only to the metrological and technical characteristics of the type of measuring the relevant OIML International Recommendation above-identified. ot bestow any form of legal international approval.	
• • • • • • • • • •		
	from the mention of the Certificate's reference number and the name of the which the Certificate was issued, partial quotation of the Certificate and of	
	est Report(s) is not permitted, although either may be reproduced in full.	
	est Report(s) is not permitted, although either may be reproduced in full.	
	est Report(s) is not permitted, although either may be reproduced in full.	
	est Report(s) is not permitted, although either may be reproduced in full.	
	est Report(s) is not permitted, although either may be reproduced in full.	
	est Report(s) is not permitted, although either may be reproduced in full.	
	est Report(s) is not permitted, although either may be reproduced in full.	
Issuing Authority	NMi ¢ertin B.V., OIML Issuing Authority NL1	
	+       +	
	NMi Certin B.V., OIML Issuing Authority NL1 8 September 2017	
	NMi Certin B.V., OIML Issuing Authority NL1 8 September 2017 C. Oosterman	
	NMi Certin B.V., OIML Issuing Authority NL1 8 September 2017	
Issuing Authority	NMi Certin B.V., OIML Issuing Authority NL1 8 September 2017 C. Oosterman Head Certification Board	
Issuing Authority NMi Certin B.V. Hugo de Grootplein 1	NMi Certin B.V., OIML Issuing Authority NL1 8 September 2017 C. Oosterman Head Certification Board This document is issued under the provision that no liability is	
Issuing Authority NMi Certin B.V.	NMi Certin B.V., OIML Issuing Authority NL1         8 September 2017         C. Ooyterman         Head Certification Board         This document is issued under the provision that no liability is accepted and that the applicant	
NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht the Netherlands T +31 78 6332332	NMi Certin B.V., OIML Issuing Authority NL1 8 September 2017 C. Oosterman Head Certification Board This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.	
Issuing Authority NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht the Netherlands	NMi Certin B.V., OIML Issuing Authority NL1         8 September 2017         V. Dosterman         Head Certification Board         This document is issued under the gropicant shall indemnify third-party liability.         The notification of NMi Certin B.V. as issuing Authority can be verified	
NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht the Netherlands T +31 78 6332332 certin@nmi.nl	NMi Certin B.V., OIML Issuing Authority NL1         8 September 2017         Coosterman         Head Certification Board         This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.         The notification of NMi Certin B.V.	
NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht the Netherlands T +31 78 6332332 certin@nmi.nl	NMi Certin B.V., OIML Issuing Authority NL1         8 September 2017         V. Dosterman         Head Certification Board         This document is issued under the gropicant shall indemnify third-party liability.         The notification of NMi Certin B.V. as issuing Authority can be verified	



## OIML Certificate of Conformity

**OIML Member State** The Netherlands Number R60/2000-NL1-17.57 Project number 1901376 Page 2 of 3

2 t3 t up to 20 t20 t up to and including 100 t0 kg0 kgC2,0 mV/V30006000100001500020000100001500020000650 $\Omega \pm 6,0 \Omega$ 10000-10 °C / + 40 °C0,70,7CH150 % of Emax610 $\Omega \pm 0,5 \Omega$ 10 V AC / DC24 V AC / DC24 V AC / DCStainless steelHermetically welded10000	iges.		nat inclu nat inclu	t 2017 th t 2017 th	30 Augus 30 Augus 30 Augus 30 Augus 30 Augus 30 Augus	dated dated dated	-05 -06	1376 1376	01 01 01	-190 -190 -190 -190	Mi- Mi- Mi- Mi-	. NP . NP . NP . NP	No. No. No. No.			+ + + + +								ח ח ח ח		N N N	N N N	N N N	N N N		0. 0. 0.				N N N	N  N  N		/ / /	i-  i-  i-	_ ^ _ ^	19 19 19	90 90 90	), ),	13 13 13	3 3 3	37 37 37 37		6- 6- 6-	-0 -0 -0	)3 )2 )5	3 ( 4 ( 5 (	da da da	la la la	te te	eo eo eo	d d d	3 3 3 3 3	0 0 0 0	A A A A A	Δι Δι Δι	u u u	g g g	lu lu lu	IS IS	t t		2 2 2	0	1	7 7 7	1	tł tł	าล าล	a1 a1 a1	ti ti	in in	cl cl cl	lu lu lu	ıd ıd	e e	s s	6 7 6	58 74 58	3   1   3	p p	ag ag	g g g	es es	;; ;;																									
C $2,0 \text{ mV/V}$ $3000$ $6000$ $10000$ $15000$ $20000$ $10000$ $10000$ $10000$ $650 \Omega \pm 6,0 \Omega$ $-10 \degree \text{C} / + 40 \degree \text{C}$ $0,7$ $0,7$ $CH$ $150 \% \text{ of } E_{max}$ $610 \Omega \pm 0,5 \Omega$ $10 \lor \text{AC} / \text{DC}$ $24 \lor \text{AC} / \text{DC}$ $24 \lor \text{AC} / \text{DC}$ $5 \text{ tainless steel}$	2	1t	0,5 t	+ + + + + + + + + + + +	<u>cell: + +</u>	<u>oad c</u>		<b>of t</b> ty (E																																												<u>o</u> + +		30	<u>+</u> + + + + .	<u></u>	<u>e</u>			<u>+</u> + + + .		-	<u>+</u> + + + .		* * * *			1 1 1 1	* * * * .			1 1 1 1 1 1		C	), !	5	t		<u>+</u> + +	1 1 1 1	⊦ 1	t				+ + + .		+ + + + + + + + + + + + + + + + + + + +	2	t				3	+ 			•		to	)	<u>+</u> + + + .		+			icl	ar Iu	nc Id	d ir	ng			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	+ +	· • •	+ + +	* * *	+ + +	* *	÷	bad	l lo	ad	de	Jm	imu	/in	М	Min	ini	in	lin	1in	1in	1in	lin	ini	ni	nir	nir	nir	in	m	nι	ur	In	m	n	า	c	d	le	26	30	b	l	0	a	ac	d			+		-	r F		+		+	-		+						-		-	•		1	-		+		+		4	-	-	-		+			+		+		1		0	k	g	+		+			ļ		+			+		+		+		-	-	_	
$3000$ $6000$ $10000$ $15000$ $20000$ $10000$ $10000$ $10000$ $650 \Omega \pm 6,0 \Omega$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $0,7$ $-10 \circ C / + 40 \circ C$ $10 \vee AC / DC$ $-10 \circ C / + 40 \circ C$ $24 \vee AC / DC$ $-10 \circ C / + 40 \circ C$ Stainless steel $-10 \circ C / + 40 \circ C$	+ +	+ + -	+ + -	+ + +	+ + +	+ +	÷	• •	ł	SS	Cla	cy (	ura		A	Acc	τοι	ccı	ссі	cc	cc	cc	ccı	cu	cu	cu	u	u	ur	ira	а	cy	зy	y	/	C	С	:la	а	s	s	-		F			+	-		+		ł	ŀ		+		+	-		t		-	ŀ		1	ŀ		ł	F		1	-		ł		ł		ł	-	ł	ŀ		+	-		ł		+		1	F		С		+		ł			ł		ł	-	-	ł		ł		ł		ł	ŀ		
10000       15000       20000         10000       10000       10000 $650 \Omega \pm 6,0 \Omega$ -       - $650 \Omega \pm 6,0 \Omega$ -       - $-10 °C / + 40 °C$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $0,7$ -       - $150 \%$ of $E_{max}$ -       - $610 \Omega \pm 0,5 \Omega$ -       - $10 V AC / DC$ -       - $24 V AC / DC$ -       -         Stainless steel       -       -	+ +	+ +	+ + +	* * *	+ + +	+ + 	+	+ +	1	Jt	tpu	Jut	ed C	ate	Ra	Rate	ate	ate	ate	at	at	ate	ate	te	te	teo	e	e	ed	d		0	οι	λ	u	ıt	tŗ	р	ι	<b>1</b> 1				F			+			+	_	1	F		+	_	ţ			+			ŀ			•		1	ŀ		ļ	-		1		ţ		1	-	1	-		ţ			t		+		2	2,0	)	m	۱V	//	v	ł			t		Ŧ			ŧ		ţ	_	+		1		٦	
10000 $650 \Omega \pm 6,0 \Omega$ $-10 °C / + 40 °C$ $0,7$ $CH$ 150 % of E <sub>max</sub> $610 \Omega \pm 0,5 \Omega$ 10 V AC / DC         24 V AC / DC         Stainless steel	30	000	10	n) <sup>(1)</sup>	intervals (	d cell	loa	er of	be	uml	i ni	um	kimi	/la>	M	Max	ах	ах	lax	lax	lax	lax	lax	ax	ixi	xi	xi	xi	xir	im	nı	u	٦r	ır	m	n		n	าเ	u	m	nk	26	e	r	Ċ	0	f	l	0	a	d	(	ce	٥ľ	ļi	in	t	e	r١	/a	al	s	(	'n	1)	)	(1	)			-		+		+	1	10	)0	0	•		+			-		30	)(	)(	)		-		+		+			+		6	0	00	0		+		+	_	4	-		
650 Ω ± 6,0 Ω $-10 °C / + 40 °C$ 0,7         CH         150 % of E <sub>max</sub> 610 Ω ± 0,5 Ω         10 V AC / DC         24 V AC / DC         Stainless steel	10	5000	2500	<b> </b> <sup>(1)</sup> + + + + +	ion interva	ificati + +	Ve	n LC	un							Rati Y =																									ŕ	ונ י	ır	n	1	L	.(	5	٧	/e	er	if	fi	Cá	at	tic	01	n	ir	n'	te	e	rv	/2	al I		(1	1)	+		1	-		2	5	0	0	•	F	5	0	0	00	)		-	1	0	0	0	0		-		-1	15	50	0	0	)+ +		+++	-	-	+		2(	00	00	)0	) -  -	F		
$ \begin{array}{c} -10 \ ^{\circ}\text{C} \ / + 40 \ ^{\circ}\text{C} \\ 0,7 \\ CH \\ 150 \ \% \ of \ E_{max} \\ 610 \ \Omega \pm 0,5 \ \Omega \\ 10 \ V \ AC \ / \ DC \\ 24 \ V \ AC \ / \ DC \\ Stainless \ steel \\ \end{array} $	+ +	000	+ + 10 + + +	rn <sup>(1)</sup> +	output retu	oad o	ad I									Rati Z =																													1 (	d	de	èa	a	d		0	a	d	10	οι	ut	tp	bu	Jt	: 1	re	et	:ι	ır	r	n	(	1)		1			+		+++	1	0	)0	0			+			-		+ +		1			+		+		* +	10	0	00	00	)		-	+ +		+++		++		4	F		
0,7         CH         150 % of $E_{max}$ 610 $\Omega \pm 0,5 \Omega$ 10 V AC / DC         24 V AC / DC         Stainless steel	6	+ + +	+ + +	* * *	+ + +	* *	+	• •	ce	anc	eda	npo	ut ir	npı	In	Inpu	pu	ρι	pι	np	np	ηpι	īρι	ou	bu	out	ut	ut	ut	t i	ir	m	n	np	р	26	e	ec	d	а	n	ıC	e				+			+		1	ŀ		+		+			+														•		1		1					1			•		6	55	50	) (	2	±	: (	5,	0	(	2		1		+			ł		+		1					
CH         150 % of $E_{max}$ 610 $\Omega \pm 0,5 \Omega$ 10 V AC / DC         24 V AC / DC         Stainless steel	-1	· • •	+ + +	* * *	+ + +	+ +	÷	ge	ang	e ra	ure	ratı	ıper	em	Τe	Tem	em	em	em	en	en	em	em	m	mp	np	np	np	۱p	pe	e	ra	a	a	ət	tι	u	ır	re	e	r	а	n	g	je	e	+			÷		4	ł		+		ł			÷			ŀ		-			4	ŀ		-			+		÷		4	F	4	-		+			ł		-1	10	) '	°C	2,	1.	+	4	-0	0	C		ł		+	-	_	÷		+		+		4	•		
150 % of $E_{max}$ 610 $\Omega \pm 0,5 \Omega$ 10 V AC / DC         24 V AC / DC         Stainless steel	+ +	+ + +	+ + +	+ + +	+ + +	+ +	÷	• •	ł	+	LC	n p	tior	rac	Fr	Frac	ac	ac	ac	rad	rad	rac	rac	ac	ict	ct	ct	ct	cti	tic	0	n	۱	1	p	pı	)	c			+			ł			+	•		t	•	ł	ł		+		ł			t			ŀ		1	ŀ		ł	ŀ		1	-		ł		ł		ł	-	ł	ŀ		ł			ł		t		1	ŀ	0	),	7	+		ł			ł		+	-	-	t		+	•	+	•	ł	ŀ		
$610 \Omega \pm 0,5 \Omega$ $10 V AC / DC$ $24 V AC / DC$ Stainless steel	+ +	• • •	+ + +	+ + +	+ + +	+ +	+	+ +	1	ass	Cla	ity (	nidi	lun	Н	Hun	um	un	un	lur	lur	ur	un	ım	m	mi	mi	m	ni	nid	di	it	ty	ty	y	' (	C		la	39	ss			ŀ			+			+		+	ŀ		+		+			+		-	ŀ		1			1	•				1	+		+		+	F	1	•		1		1	•		+		1	ŀ	C	CH	-	+		+			•		+	-	-	+		+		+	•	1	-		
10 V AC / DC 24 V AC / DC Stainless steel	1		* * *	* * *	* * *	+ +	+		4	d	oad	/erl	e ov	afe	Sa	Safe	afe	fe	əfe	afe	afe	afe	afe	fe	fe	e	e	e	e c	0'	٥v	/e	e	er	r	·lo	c	Da	а	C	Ļ			, +			+			÷		4	t.		+ +		ļ			÷					1				•		-			+		ļ		4			-		-			•		1	5	50	) (	%	. (	01	F١	E	ma	x		ł		ł			+		+		4		4			
24 V AC / DC Stainless steel	6	н н н	+ + +	+ + +	+ + +	+ +	÷	ce +	anc	eda	ıpe	: im	put	Dut	0	Out	utp	ut	ut	)ut	)ut	ut	ut	utp	tp	tp	tp	tp	pι	วน	ut	t i	j.	ir	n	n	٦ţ	р	e	e	di	a	n	ce	e	÷ .	+			÷		ł	÷		+		ł			÷		H	ŀ		+	ŀ		ł	F		-	1		ł		ł		ł	F	ł	F		ł			ł		6	51	0	) (	2	±	: (	Э,	5	Ç	2		ł		ł	-	-	÷		÷		+		н	ŀ	-	
Stainless steel	+ +	+ + +	+ + +	+ + +	+ + +	+ +	tior	xcita	ex	ed	ndo	mei	omr	lece	Re	Rec	ecc	eco	eco	ec	ec	ec	eco	cc	co	col	0	0	or	m	nr	m	n	ne	ie	er	n	10	d	e	:0	1	e	X	c	;it	ta	a	ti	io	br	1+	F		+		1			+		-	ŀ		1	F		ł	ŀ		-		1	+		+		+	F	ł	ŀ		+		1	ł		+	1(	0	V	7	4	С	1	C	o	2		t		+	-		t		+		+		1	F	-	
	2	· + +	+ + +	* * *	+ + +	+ + + +	-	um	im	axi	ma	ion	tati	xci	E>	Exci	cit	(ci	kci	xci	xci	xci	xci	cit	cit	ita	ita	ita	ita	at	ti	ic	0	ы	n	n		m	n	а	x	iı	n	iL	JI	m	n			+				-	+		1			+																1							1						24	4	V	' /	4(	С	1	C	$\mathbf{c}$					1			•	_	+		•					
Hermetically welded + + + +	+ S	+ +	+ + +	+ + +	+ + +	+ +	+	rial	ter	nat	er m	uce	nsdı	rar	Τr	Trar	an	ar	ar	rai	rai	rar	rar	an	in	nş	nş	ns	nş	sd	dı	u	lc	IC	ce	e	er	r	n	n	ą	t	e	ri	ia	al	Ļ			+		+	ł		+		+	-		+		•	ŀ		-	ŀ		-	ŀ		-	-		+		+		+	F	-	ŀ		+			ł		S	t	ai	in	le	es	S	s	te	ee	el.		+		+			+		+		+		•	ŀ		
	Hern	+ +	+ + +	+ + +	+ + +	+ +	on	tecti	rot	: pr	eric	bhe	nosp	tm	A	Atm	tm	tm	tm	tn	tn	tm	tm	m	mo	nc	nc	nc	າດ	os	sp	pł	h	h	ne	e	er	ri	ic	-	p	r	0	te	e	:C	t	ic	0	n	1	+	F		+		+			+		+	ŀ		-	ŀ		+	ŀ		-	-		+		+		+	F	+	ŀ		+		1	Η	e	rr	n	e	ti	ca	al	ly	h	N	e	lc	ł	eo	d	+		•	t	_	+		+		1	ŀ		
Inrately.       +       <	ately.	ed separ.	e reduce	Z can b	n <sub>max</sub> , Y and	s for r + + + + + + + + + + + + + + + + + +	istic + + + + + + + + + + +	acter	ara + + + + + + + +	chai + + + + + + + + + + + + + + + + + + +	ié c					Rem + + + + +																					ne + + + + + + + + + +	e+++++++++		cl	******	aı	ra	30	ct	te	e + + + + + + + + +	ri	is	ti + + + + + + + + + + + + + + + + + + +	ic	S + + + + + + + +	If F F F F F F F F F	o	*****	n	1m + + + + + + + + + + + + + + + + + + +	ia>	×,	Y + + + + + + + + + + + + + + + + + + +	(	a					Ζ	0 * * * * * * * *		n			e	* * * * * * * * * *	e	d * * * * * * * *			€C			∍k		aı	ra	** * * * * * * * * *	e	ly + + + + + + + + + + + + + + + + + + +	-																									



## OIML Certificate of Conformity

Number R60/2000-NL1-17.57 Project number 1901376 Page 3 of 3

				l ce isti		roc	duc	ed i	is p	rov	ide	ed v	vith	n ar	n ac	cor	mp	any	ing	ı do	ocu	me	nt v	witl	n ir	nfor	ma	itio	n a	bo	ut i	ts			
						+	+	+	+			÷	÷	÷	÷			+	+	÷	+	÷	+	÷	+	+	÷	÷		+	÷	÷	÷		
																							in t she				Tes	st R	ерс	ort)	ha	ve	bee	'n	
Ur	hit	ed	l St	ate	s o	fΑ	me	rica	a (N	IIST	На	ind											on 1				ed	in 1	the	MA	٩A				
De -							tua rev						equ	uire	eme	ents	s fre	om	the	e U	nite	ed :	Stat	tes;											
-+	F	8 6	50 I	Dol	۸C-	-02	rev	·.0,	Ad	diti	ion	al r	equ	uire	eme	ents	s fro	om	the	e U	nite	ed :	Stat	tes.											