Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate No.
R51/2006-DE1-13.01

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

Name:	Physikalisch-Technische Bundesanstalt
Address:	Bundesallee 100, 38116 Braunschweig
Person responsible:	Dr. O. Mack

Applicant

Name:	Robert Bosch GmbH
Address:	Stuttgarter Str. 130, 71332 Waiblingen Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type	Checkweigher Type: KWE6xxx / KWI6xxx / KPI3xxx
	Further characteristics see page 2

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

R51-1, edition 2006
for accuracy classes XIII(1)

This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

This Certificate does not bestow any form of legal international approval.

R3-0033

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The conformity was established by the results of tests and examinations provided in the associated Report and Test Reports

No. 4055315 (pages 16)

and in the associated Test Reports

No. 4055315/1 (pages 77)
No. 4055315/2 (pages 14)
No. 4055315/5 (pages 33)

The Issuing Authority

Dr. O. Mack
Head of Department

21.06.2013

The CIML Member

Dr. R. Schwartz
Head of Division

21.06.2013

Identification of the pattern (continued)

- Automatic electromechanical weighing instrument equipped with a digital strain gauge load cell and performed as single interval and single range instrument.

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Common technical characteristics of all weighing instrument:

Preset tare range		≤ 10% • Max
Environmental conditions / influence factors:		
	Climatic	Temperature range: 5 °C to 40 °C (if not mentioned hereinafter in a different way) Humidity: up to 85 % at 40 °C, not condensing
	Mechanical	not applicable
	Electromagnetic	E2 (OIML D11)

Type of weighing instrument		KWE6000 KWI6000 KPI3000		KWE6010 KWI6010 KPI3010		KWE6020 KWI6020 KPI3020	
Mode of weighing		static or dynamic weighing					
Load cell identifier		A	D	B	E	C	F
Accuracy class		XIII(1)					
No of verification scale intervals	n	≤ 3000	≤ 4000	≤ 3000	≤ 4000	≤ 3000	≤ 4000
Maximum capacity	Max	≤ 2 kg		≤ 4 kg		≤ 10 kg	
Verification scale interval	e	≥ 0,5 g		≥ 2 g		≥ 5 g	
Minimum capacity	Min	≥ 10 g (v_{max} = 1,35 m/s) [1)] ≥ 20 g (v_{max} = 1,80 m/s) [1)]					
Maximum belt speed	v_{max}	≤ 1,35 m/s (10 g ≤ Min < 20 g) [1)] ≤ 1,80 m/s (Min≥ 20 g) [1)]					

[1)] The maximum belt speed depends on the minimum capacity Min chosen and applies to the complete load range up to the maximum capacity.

Digital strain gauge load cells of type 1-FIT/1…:

Variant of load cell	Accuracy class	Load cell identifier
1-FIT/1SB30/5KGBO1	C3	A
1-FIT/1SB30/10KGBO1	C3	B
1-FIT/1SB30/20KGBO1	C3	C
1-FIT/1SB40/5KGBO1	C4	D
1-FIT/1SB40/10KGBO1	C4	E
1-FIT/1SB40/20KGBO1	C4	F