



**Member State of OIML**  
**United Kingdom of Great Britain**  
**and Northern Ireland**

**OIML Certificate No**  
**R60/2000-GB1-09.09**

Issuing authority

Name: **National Weights and Measures Laboratory  
(Part of the National Measurement Office)**  
Address: **Stanton Avenue  
Teddington  
Middlesex, TW11 0JZ  
United Kingdom**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant

Name: **BWT B.V.**  
Address: **Havervelden 8  
5281 PT Boxtel  
The Netherlands**

Manufacturer of the certified pattern is:

**The applicant**

Identification of the certified pattern:

**Stainless steel shear beam load cell**

Model Designation	BR11					
Maximum capacity, $E_{max}$ (kg)	500	750	1000	1500	2000	2500
Accuracy class	C3					
Maximum number of load cell intervals, $n_{max}$	3000					
Minimum verification interval, $V_{min}$	$E_{max} / 10000$					
Apportionment factor; $p_{LC}$	0.70					

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology -OIML):

**R 60 Metrological regulation for load cells Edition: 2000 (E) for accuracy class : C3**

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

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

The conformity was established by tests described in the associated:

Test report: CEM-IYO-04/0156-5.1 having 18 pages (issued by CEM)

Issuing authority



Mr P Dixon  
for NWML

CIML member



Mr P Mason

Date 03 November 2009

Ref: T1136/0049

**Essential technical data**

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Classification		C3	
Additional marking		CH	
Maximum number of load cell verification intervals	$n_{LC}$	3000	
Maximum capacity	$E_{max}$	500, 750, 1000, 1500, 2000, 2500	kg
Minimum dead load, relative	$E_{min}/E_{max}$	0	
Relative $V_{min}$ (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	10000	g
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	12462	kg
Rated output		2	mV/V
Maximum excitation voltage		18	V DC
Input impedance (for strain gauge LCs)	$R_{LC}$	$360 \pm 2\%$	$\Omega$
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	$E_{lim}/E_{max}$	125	% F.S
Cable length (maximum)		4	m
Additional characteristics		6 wire (plus screen)	

## Certificate History

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-09.09	03 November 2009	Type approval first issued
-	-	No revisions have been issued

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