



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

OIML Certificate No
R60/2000-GB1-10.07

OIML CERTIFICATE OF CONFORMITY

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: **B & T Weighing System (Kunshan) Co, Ltd
Zhu Jia Wan Road
Zhou Shi Town
Kunshan
Jiangsu
China**

Manufacturer of the certified pattern is:

**The applicant &
T Scale Electronics Co., Ltd
No. 99, Shun-Chang Road
Kunshan
Jiangsu
China**

Identification of the certified pattern:

Stainless steel, shear beam strain gauge load cell

Model Designation	TSNTI				
Maximum capacity, E_{max} (kg)	500, 1000, 2000				
Accuracy class	C				
Maximum number of load cell intervals, n_{max}	1000	2000	3000	3000M	4000
Minimum verification interval, V_{min} (kg)	$E_{max}/5000$	$E_{max}/7000$	$E_{max}/12000$	$E_{max}/16000$	$E_{max}/16000$
Apportionment factor; p_{LC}	0.7				

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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 : C**

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.

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

The conformity was established by tests described in the associated test reports:

Centro SIT n° 44	Test Report No: P98107_500_C4	having 23 pages
Centro SIT n° 44	Test Report No: P98062_1000_C3M	having 23 pages

Issuing authority



Mr P R Dixon
for NWML

CIML member



Mr P E Mason

Date: 09 November 2010
Ref: TS13/0002

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>					<i>Units</i>
Classification		C1	C2	C3	C3M	C4	
Additional marking		-					
Maximum number of load cell verification intervals	n_{LC}	1000	2000	3000	3000	4000	
Maximum capacity	E_{max}	500, 1000, 2000					kg
Minimum dead load, relative	E_{min}/E_{max}	0.5					%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	5000	7000	12000	16000	16000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	-			8000	-	
Rated output		$2 \pm 0.2 \%$					mV/V
Maximum excitation voltage		18					V AC, DC
Input impedance (for strain gauge LCs)	R_{LC}	350 ± 5					Ω
Temperature rating		-10/+40					$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150					%
Cable length		5					m
Additional characteristics		4 wire (0.25 mm ²) Class C3M is suitable for multi interval instruments.					

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-10.07	09 November 2010	Type approval first issued.

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